Carcinoembryonic antigen is the preferred biomarker f targeting

British Journal of Cancer

108, 662-667

DOI: 10.1038/bjc.2012.605

Citation Report

#	Article	IF	Citations
1	Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) in cancer progression and metastasis. Cancer and Metastasis Reviews, 2013, 32, 643-671.	2.7	370
2	Trial watch. OncoImmunology, 2013, 2, e23803.	2.1	92
3	Spraying Quantum Dot Conjugates in the Colon of Live Animals Enabled Rapid and Multiplex Cancer Diagnosis Using Endoscopy. ACS Nano, 2014, 8, 8896-8910.	7.3	46
4	Exosomal proteins as potential diagnostic markers in advanced nonâ€small cell lung carcinoma. Journal of Extracellular Vesicles, 2015, 4, 26659.	5.5	242
5	Preclinical evaluation of a novel <scp>CEA</scp>â€targeting nearâ€infrared fluorescent tracer delineating colorectal and pancreatic tumors. International Journal of Cancer, 2015, 137, 1910-1920.	2.3	55
6	CEA-targeted nanoparticles allow specific in vivo fluorescent imaging of colorectal cancer models. Nanomedicine, 2015, 10, 1223-1231.	1.7	34
7	A549 cells adapted to high nitric oxide show reduced surface CEACAM expression and altered adhesion and migration properties. Tumor Biology, 2015, 36, 1871-1879.	0.8	3
8	DNA methylation and expression of the folate transporter genes in colorectal cancer. Tumor Biology, 2015, 36, 5581-5590.	0.8	15
9	Electrochemical immunoassay based on polythionine as the signal source for the sensitive detection of carcinoma embryonic antigen. Analytical Methods, 2015, 7, 10339-10344.	1.3	11
10	A folate receptor-targeted lipoplex delivering interleukin-15 gene for colon cancer immunotherapy. Oncotarget, 2016, 7, 52207-52217.	0.8	30
11	Mutational Profiles Reveal an Aberrant TGF-Î²-CEA Regulated Pathway in Colon Adenomas. PLoS ONE, 2016, 11, e0153933.	1.1	17
12	Targeted nanoparticles for colorectal cancer. Nanomedicine, 2016, 11, 2443-2456.	1.7	117
13	Selecting Targets for Tumor Imaging: An Overview of Cancer-Associated Membrane Proteins. Biomarkers in Cancer, 2016, 8, BIC.S38542.	3.6	82
14	Mucins and associated glycan signatures in colon adenomaâ€“carcinoma sequence: Prospective pathological implication(s) for early diagnosis of colon cancer. Cancer Letters, 2016, 374, 304-314.	3.2	68
15	Stimuli-Sensitive Nanopreparations: Overview. , 2016, , 1-48.		0
16	Detection of Micrometastases Using SPECT/Fluorescence Dual-Modality Imaging in a CEA-Expressing Tumor Model. Journal of Nuclear Medicine, 2017, 58, 706-710.	2.8	37
17	High expression of CEACAM19, a new member of carcinoembryonic antigen gene family, in patients with breast cancer. Clinical and Experimental Medicine, 2017, 17, 547-553.	1.9	11
18	SGM-101: An innovative near-infrared dye-antibody conjugate that targets CEA for fluorescence-guided surgery. Surgical Oncology, 2017, 26, 153-162.	0.8	76

#	Article	IF	Citations
19	Accessing new prognostic significance of preoperative carcinoembryonic antigen in colorectal cancer receiving tumor resection: More than positive and negative. Cancer Biomarkers, 2017, 19, 161-168.	0.8	7
20	Dual targeting of <scp>l</scp>-carnitine-conjugated nanoparticles to OCTN2 and ATB^{0,+} to deliver chemotherapeutic agents for colon cancer therapy. Drug Delivery, 2017, 24, 1338-1349.	2.5	62
21	Single Domain Antibodies as New Biomarker Detectors. Diagnostics, 2017, 7, 52.	1.3	29
22	The Roles of Carcinoembryonic Antigen in Liver Metastasis and Therapeutic Approaches. Gastroenterology Research and Practice, 2017, 2017, 1-11.	0.7	66
23	Heparin-Regulated Prodrug-Type Macromolecular Theranostic Systems for Cancer Therapy. Nanotheranostics, 2017, 1, 114-130.	2.7	10
24	Clinical significance of detecting circulating tumor cells in colorectal cancer using subtraction enrichment and immunostaining-fluorescence in situ hybridization (SE-iFISH). Oncotarget, 2017, 8, 21639-21649.	0.8	31
25	Safety and effectiveness of SGM-101, a fluorescent antibody targeting carcinoembryonic antigen, for intraoperative detection of colorectal cancer: a dose-escalation pilot study. The Lancet Gastroenterology and Hepatology, 2018, 3, 181-191.	3.7	146
26	The tumour glyco-code as a novel immune checkpoint for immunotherapy. Nature Reviews Immunology, 2018, 18, 204-211.	10.6	303
27	Development of Novel Diagnostic Pancreatic Tumor Biomarkers. , 2018, , 1241-1272.		1
28	Precision Medicine for CRC Patients in the Veteran Population: State-of-the-Art, Challenges and Research Directions. Digestive Diseases and Sciences, 2018, 63, 1123-1138.	1.1	9
29	Radioimmunotherapy for delivery of cytotoxic radioisotopes: current status and challenges. Expert Opinion on Drug Delivery, 2018, 15, 185-196.	2.4	33
30	Quantum Dot Based Nano-Biosensors for Detection of Circulating Cell Free miRNAs in Lung Carcinogenesis: From Biology to Clinical Translation. Frontiers in Genetics, 2018, 9, 616.	1.1	66
31	Recent Advances in the Clinical Development of Immune Checkpoint Blockade Therapy for Mismatch Repair Proficient (pMMR)/non-MSI-H Metastatic Colorectal Cancer. Clinical Colorectal Cancer, 2018, 17, 258-273.	1.0	41
32	Cousins at work: How combining medical with optical imaging enhances in vivo cell tracking. International Journal of Biochemistry and Cell Biology, 2018, 102, 40-50.	1.2	34
33	Biomarker expression in rectal cancer tissue before and after neoadjuvant therapy. OncoTargets and Therapy, 2018, Volume 11, 1655-1664.	1.0	14
34	Cu-Au nanocrystals functionalized carbon nanotube arrays vertically grown on carbon spheres for highly sensitive detecting cancer biomarker. Biosensors and Bioelectronics, 2018, 119, 134-140.	5.3	34
35	Carcinoembryonic antigen-targeted nanoparticles potentiate the delivery of anticancer drugs to colorectal cancer cells. International Journal of Pharmaceutics, 2018, 549, 397-403.	2.6	26
36	Reduced DAXX Expression Is Associated with Reduced CD24 Expression in Colorectal Cancer. Cells, 2019, 8, 1242.	1.8	8

#	Article	IF	Citations
37	DNA origami-based aptasensors. Biosensors and Bioelectronics, 2019, 143, 111662.	5.3	26
38	Recombinant AAV-CEA Tumor Vaccine in Combination with an Immune Adjuvant Breaks Tolerance and Provides Protective Immunity. Molecular Therapy - Oncolytics, 2019, 12, 41-48.	2.0	29
39	Carcinoembryonic antigen reduction after medical treatment in patients with metastatic colorectal cancer: a systematic review and meta-analysis. International Journal of Colorectal Disease, 2019, 34, 657-666.	1.0	13
40	Gold Nanoparticle Probe-Assisted Antigen-Counting Chip Using SEM. ACS Applied Materials & Interfaces, 2019, 11, 6769-6776.	4.0	11
41	Impact of CEA-targeting Nanoparticles for Drug Delivery in Colorectal Cancer. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 657-670.	1.3	16
42	Nanotechnology is an important strategy for combinational innovative chemo-immunotherapies against colorectal cancer. Journal of Controlled Release, 2019, 307, 108-138.	4.8	49
43	Epidermal growth factor receptorâ€targeted molecular imaging of colorectal tumors: Detection and treatment evaluation of tumors in animal models. Cancer Science, 2019, 110, 1921-1930.	1.7	12
44	Computational analysis and optimization of carcinoembryonic antigen aptamers and experimental evaluation. Journal of Biotechnology, 2019, 306, 1-8.	1.9	14
45	Toxicity and pharmacokinetic profile of SGM-101, a fluorescent anti-CEA chimeric antibody for fluorescence imaging of tumors in patients. Toxicology Reports, 2019, 6, 409-415.	1.6	15
46	Enhancement of chemosensitivity in 5-fluorouracil-resistant colon cancer cells with carcinoembryonic antigen-specific RNA aptamer. Molecular Biology Reports, 2019, 46, 3835-3842.	1.0	10
47	Panitumumab-IRDye800CW for Fluorescence-Guided Surgical Resection of Colorectal Cancer. Journal of Surgical Research, 2019, 239, 44-51.	0.8	23
48	Creating a capture zone in microfluidic flow greatly enhances the throughput and efficiency of cancer detection. Biomaterials, 2019, 197, 161-170.	5.7	20
49	RNA-based therapeutics for colorectal cancer: Updates and future directions. Pharmacological Research, 2020, 152, 104550.	3.1	24
50	The targeted delivery of interleukin-12 to the carcinoembryonic antigen increases the intratumoral density of NK and CD8+ T cell in an immunocompetent mouse model of colorectal cancer. Journal of Gastrointestinal Oncology, 2020, 11, 803-811.	0.6	3
51	CEA Decline Predicts Tumor Regression and Prognosis in Locally Advanced Rectal Cancer Patients with Elevated Baseline CEA. Journal of Cancer, 2020, 11, 6565-6570.	1.2	9
52	Fluorophore-conjugated Helicobacter pylori recombinant membrane protein (HopQ) labels primary colon cancer and metastases in orthotopic mouse models by binding CEA-related cell adhesion molecules. Translational Oncology, 2020, 13, 100857.	1.7	6
53	Carcinoembryonic Antigen-related Tumor Kinetics After Eight Weeks of Chemotherapy is Independently Associated With Overall Survival in Patients With Metastatic Colorectal Cancer. Clinical Colorectal Cancer, 2020, 19, e200-e207.	1.0	1
54	Non-coding RNAs, metabolic stress and adaptive mechanisms in cancer. Cancer Letters, 2020, 491, 60-69.	3.2	10

#	Article	IF	Citations
55	Non-coding RNAs, guardians of the p53 galaxy. Seminars in Cancer Biology, 2021, 75, 72-83.	4.3	27
56	Gastric cancer: a comprehensive review of current and future treatment strategies. Cancer and Metastasis Reviews, 2020, 39, 1179-1203.	2.7	311
57	A Scaffold-Free 3-D Co-Culture Mimics the Major Features of the Reverse Warburg Effect In Vitro. Cells, 2020, 9, 1900.	1.8	13
58	Oncolytic Adenovirus CD55-Smad4 Suppresses Cell Proliferation, Metastasis, and Tumor Stemness in Colorectal Cancer by Regulating Wnt/Î²-Catenin Signaling Pathway. Biomedicines, 2020, 8, 593.	1.4	16
59	The old CEACAMs find their new role in tumor immunotherapy. Investigational New Drugs, 2020, 38, 1888-1898.	1.2	31
60	Near-infrared photoimmunotherapy is effective treatment for colorectal cancer in orthotopic nude-mouse models. PLoS ONE, 2020, 15, e0234643.	1.1	11
61	Non-invasive Reporter Gene Imaging of Cell Therapies, including T Cells and Stem Cells. Molecular Therapy, 2020, 28, 1392-1416.	3.7	44
62	Carcinoembryonic antigen-specific, fluorescent image-guided cytoreductive surgery with hyperthermic intraperitoneal chemotherapy for metastatic colorectal cancer. British Journal of Surgery, 2020, 107, 334-337.	0.1	36
63	Ex Vivo Assessment of Tumor-Targeting Fluorescent Tracers for Image-Guided Surgery. Cancers, 2020, 12, 987.	1.7	8
64	Micelleplexes as nucleic acid delivery systems for cancer-targeted therapies. Journal of Controlled Release, 2020, 323, 442-462.	4.8	41
65	How Non-invasive in vivo Cell Tracking Supports the Development and Translation of Cancer Immunotherapies. Frontiers in Physiology, 2020, 11, 154.	1.3	27
66	Applications and strategies in nanodiagnosis and nanotherapy in lung cancer. Seminars in Cancer Biology, 2021, 69, 349-364.	4.3	86
67	Clinical translation and implementation of optical imaging agents for precision image-guided cancer surgery. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 332-339.	3.3	16
68	Dose-Finding Study of a CEA-Targeting Agent, SGM-101, for Intraoperative Fluorescence Imaging of Colorectal Cancer. Annals of Surgical Oncology, 2021, 28, 1832-1844.	0.7	39
69	Recent developments in antibody derivatives against colorectal cancer; A review. Life Sciences, 2021, 265, 118791.	2.0	18
70	Intraoperative detection of colorectal and pancreatic liver metastases using SGM-101, a fluorescent antibody targeting CEA. European Journal of Surgical Oncology, 2021, 47, 667-673.	0.5	22
71	Wearable and Biodegradable Sensors for Clinical and Environmental Applications. ACS Applied Electronic Materials, 2021, 3, 68-100.	2.0	46
72	A review of tumor-specific fluorescence-guided surgery for colorectal cancer. Surgical Oncology, 2021, 36, 84-90.	0.8	8

#	Article	IF	Citations
73	Colon cancer and immunotherapyâ€"can we go beyond microsatellite instability?. Translational Gastroenterology and Hepatology, 2021, 6, 12-12.	1.5	19
74	High-Precision Quantitative Analysis Reveals Carcinoembryonic Protein Expression Differs Among Colorectal Cancer Primary Foci and Metastases to Different Sites. Technology in Cancer Research and Treatment, 2021, 20, 153303382110371.	0.8	1
75	Current Landscape in Organic Nanosized Materials Advances for Improved Management of Colorectal Cancer Patients. Materials, 2021, 14, 2440.	1.3	14
76	The utility of câ€Met as a diagnostic tissue biomarker in primary colorectal cancer. International Journal of Experimental Pathology, 2021, 102, 172-178.	0.6	8
77	Near Infrared Photoimmunotherapy; A Review of Targets for Cancer Therapy. Cancers, 2021, 13, 2535.	1.7	47
78	Folic Acid-Targeted Paclitaxel-Polymer Conjugates Exert Selective Cytotoxicity and Modulate Invasiveness of Colon Cancer Cells. Pharmaceutics, 2021, 13, 929.	2.0	12
79	Recent Advances in Nanoparticle-Based Cancer Treatment: A Review. ACS Applied Nano Materials, 2021, 4, 6441-6470.	2.4	56
80	Beyond Colonoscopy: Exploring New Cell Surface Biomarkers for Detection of Early, Heterogenous Colorectal Lesions. Frontiers in Oncology, 2021, 11, 657701.	1.3	5
81	Detection of Circulating Tumor Cells and Microbial DNA Fragments in Stage III Colorectal Cancer Patients under Three versus Six Months of Adjuvant Treatment. Cancers, 2021, 13, 3552.	1.7	3
82	Fluorescence-guided minimally-invasive surgery for colorectal liver metastases, a systematic review. Laparoscopic Surgery, 0, 5, 32-32.	0.9	2
83	Proteomic approaches to investigate gammaherpesvirus biology and associated tumorigenesis. Advances in Virus Research, 2021, 109, 201-254.	0.9	0
84	Advanced drug delivery system in colorectal cancer. , 2021, , 259-266.		0
85	Carcinoembryonic Antigen Family Cell Adhesion Molecules (CEACAM) as Colorectal Cancer Biomarkers. Biomarkers in Disease, 2015, , 685-705.	0.0	1
86	Glycan-specific antibodies as potential cancer biomarkers: a focus on microarray applications. Clinical Chemistry and Laboratory Medicine, 2020, 58, 1611-1622.	1.4	15
87	Anti-carcinoembryonic antigen-related cell adhesion molecule antibody for fluorescence visualization of primary colon cancer and metastases in patient-derived orthotopic xenograft mouse models. Oncotarget, 2020, 11, 429-439.	0.8	25
88	Carcinoembryonic Antigen-Family Cell Adhesion Molecules (CEACAM) as Colorectal Cancer Biomarkers. , 2014, , 1-17.		0
89	Immunotherapy and Vaccines. , 2016, , 441-464.		0
90	Development of Novel Diagnostic Pancreatic Tumor Biomarkers 2nd ed. , 2017, , 1-32.		0

#	Article	IF	Citations
91	Modern views on immunological biomarkers of colon cancer. Malignant Tumours, 2019, 8, 50-58.	0.1	2
93	Development of fluorescence-guided surgery for colorectal cancer in orthotopic mouse models using fluorescent tumor-specific antibodies to increase survival. , 2020, , 21-29.		0
95	The Use of Fluorescent Anti-CEA Antibodies to Label, Resect and Treat Cancers: A Review. Biomolecules, 2021, 11, 1819.	1.8	8
96	Combined and targeted drugs delivery system for colorectal cancer treatment: Conatumumab decorated, reactive oxygen species sensitive irinotecan prodrug and quercetin co-loaded nanostructured lipid carriers. Drug Delivery, 2022, 29, 342-350.	2.5	28
97	Anticancer effect of selenium/chitosan/polyethylene glycol/allyl isothiocyanate nanocomposites against diethylnitrosamine-induced liver cancer in rats. Saudi Journal of Biological Sciences, 2022, 29, 3354-3365.	1.8	3
98	Affimer Tagged Cubosomes: Targeting of Carcinoembryonic Antigen Expressing Colorectal Cancer Cells Using In Vitro and In Vivo Models. ACS Applied Materials & Interfaces, 2022, 14, 11078-11091.	4.0	41
99	Reprogramming Synthetic Cells for Targeted Cancer Therapy. ACS Synthetic Biology, 2022, 11, 1349-1360.	1.9	12
100	Endoscopic Applications of Near-Infrared Photoimmunotherapy (NIR-PIT) in Cancers of the Digestive and Respiratory Tracts. Biomedicines, 2022, 10, 846.	1.4	3
101	Multimodal CEA-targeted fluorescence and radioguided cytoreductive surgery for peritoneal metastases of colorectal origin. Nature Communications, 2022, 13, 2621.	5.8	14
102	Proof of concept of improved fluorescence-guided surgery of colon cancer liver metastasis using color-coded imaging of a tumor-labeling fluorescent antibody and indocyanine green restricted to the adjacent liver segment. Surgery, 2022, , .	1.0	2
103	Multiplexed, single-molecule, epigenetic analysis of plasma-isolated nucleosomes for cancer diagnostics. Nature Biotechnology, 2023, 41, 212-221.	9.4	24
104	Lipid-polymer nanocarrier platform enables X-ray induced photodynamic therapy against human colorectal cancer cells. Biomedicine and Pharmacotherapy, 2022, 155, 113837.	2.5	6
105	Adjuvant chemotherapy improves survival in high-risk stage II colon cancer: a retrospective cohort study. Therapeutic Advances in Gastroenterology, 2022, 15, 175628482211377.	1.4	2
106	A comprehensive review on RNA interference-mediated targeting of interleukins and its potential therapeutic implications in colon cancer. 3 Biotech, 2023, 13, .	1.1	0
107	Promises and Challenges of Predictive Blood Biomarkers for Locally Advanced Rectal Cancer Treated with Neoadjuvant Chemoradiotherapy. Cells, 2023, 12, 413.	1.8	4
108	Research Progress of CEA in Colorectal Cancer. Advances in Clinical Medicine, 2023, 13, 1561-1566.	0.0	0
110	Metalâ€“Organic Framework-Mediated Bioorthogonal Reaction to Immobilize Bacteria for Ultrasensitive Fluorescence Counting Immunoassays. ACS Applied Materials & Interfaces, 2023, 15, 5010-5018.	4.0	7
111	CEACAMS 1, 5, and 6 in disease and cancer: interactions with pathogens. Genes and Cancer, 2023, 14, 12-29.	0.6	2

#	Article	IF	Citations
112	Targeting carcinoembryonic antigen-expressing tumors using a novel transcriptional and translational dual-regulated oncolytic herpes simplex virus type 1. Molecular Therapy - Oncolytics, 2023, 28, 334-348.	2.0	3
113	NIR-II fluorescence imaging-guided colorectal cancer surgery targeting CEACAM5 by a nanobody. EBioMedicine, 2023, 89, 104476.	2.7	6
114	Single-cell mapping of combinatorial target antigens for CAR switches using logic gates. Nature Biotechnology, 2023, 41, 1593-1605.	9.4	6
115	Colorectal polyps: Targets for fluorescenceâ€guided endoscopy to detect highâ€grade dysplasia and T1 colorectal cancer. United European Gastroenterology Journal, 2023, 11, 282-292.	1.6	2
116	Carbon Dots: Opportunities and Challenges in Cancer Therapy. Pharmaceutics, 2023, 15, 1019.	2.0	12
120	Fluorescent imaging using novel conjugated polymeric nanoparticles-affimer probes in complex in vitro models of colorectal cancer. Nanoscale, 0, , .	2.8	2
123	History of near-infrared fluorescence. , 2024, , 165-178.		0