

Mouse anti-Human carcinoembryonic Monoclonal Antibody

Anti-carcinoembryonic antigen [A5B7], Mouse IgG1, Kappa

CATALOG # AAA72056	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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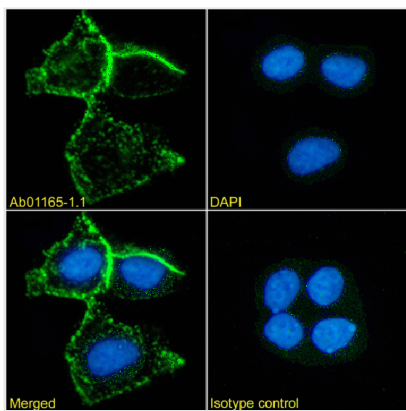
PRODUCT SYNONYMS

carcinoembryonic; Monoclonal Antibody; Anti-carcinoembryonic antigen [A5B7]; Mouse IgG1; Kappa; CEA; CD66; Q7KZ28; Q13985; Q14081; anti-carcinoembryonic antibody

PRODUCT SPECIFICATIONS

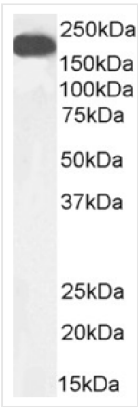
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	A5B7
Specificity	The antibody is specific for human CEA.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-carcinoembryonic antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	This antibody was raised by immunising mice with both carcinoembryonic antigen (CEA) purified from the metastases of colonic tumours, and heat-treated CEA.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of MCF7 cells using anti-carcinoembryonic antigen A5B7. Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells stained with the chimeric mouse IgG version of A5B7 at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom, DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody followed by Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-carcinoembryonic antigen antibody A5B7. human colorectal carcinoma tissue lysate (35ug protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric mouse IgG version of A5B7 at 0.01ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-carcinoembryonic antibody	Describes the original generation of this antibody, and its characterisation in IHC analysis. Recombinant monoclonal antibody to carcinoembryonic antigen. Manufactured using our Recombinant Platform with variable regions (i.e. specificity) from the hybridoma A5B7.
Product Categories/Family for anti-carcinoembryonic antibody	Oncology; Radioimmunotherapy
References	Harwood et al.; Br J Cancer. 1986 Jul;54(1):75-82. OriginPubPMID: 9329081

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q13982
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/carcinoembryonic-antibody-clone-a5b7-immunohistochemistry-elisa/72056>