

Mouse anti-Human CEA Antibody | anti-CEA antibody

Anti-CEA [EB-022], Mouse IgG1

CATALOG # AAA72264	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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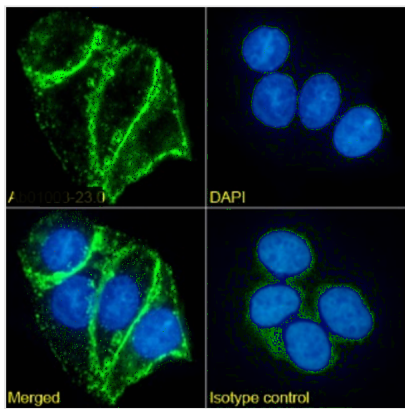
PRODUCT SYNONYMS

CEA; Anti-CEA [EB-022]; Mouse IgG1; Carcinoembryonic antigen; Carcinoembryonic antigen-related cell adhesion molecule 5; CEACAM5; Cluster of Differentiation 66e; CD66e; anti-CEA antibody

PRODUCT SPECIFICATIONS

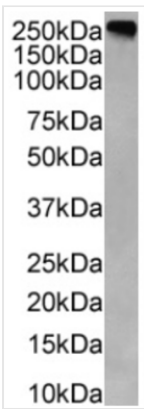
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG1, Kappa
Clone Number	EB-022
Specificity	EB-022 was shown by ELISA to react specifically with CEA (CD66e), as opposed to the related CD66 family member CD66c (also known as NCA; unpublished data).
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CEA antibody	ELISA
Immunogen	This antibody was generated by immunising BALB/c mice. Splenocytes from immunised mice were obtained and fused with myeloma cells to generate a hybridoma.
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 with anti-CEA (AAA72264) EB-022
Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells stained with the chimeric rabbit IgG version of EB-022 (AAA72264-23.0) (1:1000 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1500 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72264-23.0, DAPI, merged channels and an isotype control. The isotype control was anti-fluorescein antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-CEA antibody EB-022 (AAA72264). Human colorectal carcinoma (0.01ug/ml) tissue lysate (35ug protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of EB-022 (AAA72264-23.0) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CEA antibody	EB-022 was used in ELISAs against CEA (CD66e) and NCA (CD66c) to show specificity of binding (unpublished data).
Product Categories/Family for anti-CEA antibody	tumor marker; Adhesion; signalling; cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373456
NCBI GeneID	1048
UniProt Accession #	P06731; H9KVA7
Molecular Weight	76,795 Da
NCBI Official Full Name	Carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Symbol	CEACAM5
NCBI Official Synonym Symbols	CEA; CD66e
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5; meconium antigen 100
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN

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.