

Rabbit anti-Human CEA Antibody | anti-CEA antibody

Anti-CEA [EB-022], Rabbit IgG

CATALOG # AAA72265	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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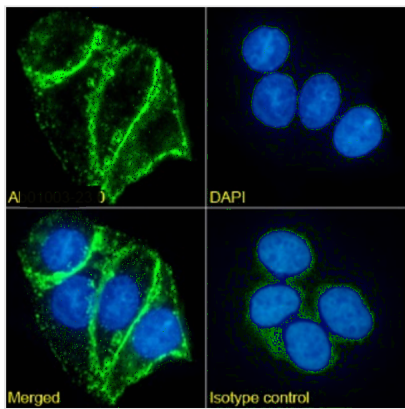
PRODUCT SYNONYMS

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

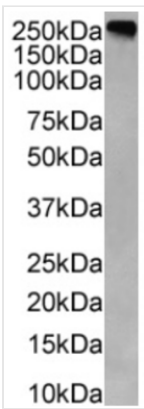
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Isotype	Rabbit IgG, 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by ELISA to react specifically with CEA (CD66e), as opposed to the related CD66 family member CD66c (also known as NCA; unpublished data).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.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
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 (AAA72265) EB-022
Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells stained with the chimeric rabbit IgG version of EB-022 (AAA72265-23.0) (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 AAA72265-23.0, 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 (AAA72265). 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 (AAA72265-23.0) 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.