

Mouse carbonic anhydrase XII Monoclonal Antibody | anti-CA12 antibody

Anti-carbonic anhydrase XII Antibody (FITC), Mouse Monoclonal

CATALOG # AAA255032	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

carbonic anhydrase XII; Monoclonal Antibody; Anti-carbonic anhydrase XII Antibody (FITC); Mouse Monoclonal; Carbonic Anhydrase XII/CA12 Antibody (FITC); Mouse MAb; Anti-CA12 Antibody; Anti-CAXII Antibody; Anti-FLJ20151 Antibody; Anti-HsT18816 Antibody; anti-CA12 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	07
Specificity	Human Carbonic Anhydrase XII/CA12
Form/Format	PBS solution containing 0.5% BSA and 0.09% sodium azide.
Concentration	5ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-CA12 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human Carbonic Anhydrase XII/CA12 protein
Conjugation	FITC
Reagents	FITC-conjugated Mouse monoclonal antibody
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Carbonic Anhydrase XII/CA12 (rh Carbonic Anhydrase XII/CA12) and conjugated with FITC under optimum conditions, the unreacted FITC was removed.
Preparation and Storage	This antibody can be stored at 2°C to 8°C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human CA12 expression on MCF-7 cells. Cells were stained with FITC-conjugated anti-Human CA12. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells. Flow cytometry was performed on a BD FC Calibur flow cytometry system.

ADDITIONAL INFORMATION

References	Sahin, U. et al., 1996, Proc. Natl. Acad. Sci. U.S.A. 92 (25): 11810-11813. Ivanov, S.V. et al., 1998, Proc. Natl. Acad. Sci. USA 95:12596-12601. Strausberg, R.L. et al., 2002, Proc. Natl. Acad. Sci. USA 99:16899-16903. Liao, S.Y. et al., 2003, J. Med. Genet. 40:257-262. Supuran, C. T. et al., 2008, Curr Pharm Des. 14 (7): 601-602. Elleuche, S. et al., 2009, Curr Genet. 55 (2): 211-222.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502515
NCBI GeneID	771
NCBI Accession #	NP_001209.1
NCBI GenBank Nucleotide #	NM_001218.3
UniProt Accession #	O43570; Q53YE5; Q9BWG2
NCBI Official Full Name	carbonic anhydrase 12 isoform 1
NCBI Official Synonym Full Names	carbonic anhydrase XII
NCBI Official Symbol	CA12
NCBI Official Synonym Symbols	CAXII; HsT18816
NCBI Protein Information	carbonic anhydrase 12; CA-XII; carbonic dehydratase; carbonate dehydratase XII; tumor antigen HOM-RCC-3.1.3
UniProt Protein Name	Carbonic anhydrase 12
UniProt Gene Name	CA12
UniProt Synonym Gene Names	CA-XII
UniProt Entry Name	CAH12_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/carbonic-anhydrase-xii-antibody-clone-07-flow-cytometry-elisa/255032>