

Mouse anti-Human CSTA Monoclonal Antibody | anti-CSTA antibody

CSTA antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48250	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

CSTA; Monoclonal Antibody; CSTA antibody; Cystatin-A; STF1; STFA; anti-CSTA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT1B12
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	98
Applicable Applications for anti-CSTA antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CSTA (1-98aa) purified from E. coli
Clone Note	Anti-human CSTA mAb, clone AT1B12, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CSTA protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CSTA in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CSTA antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CSTA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: A431 cell lysate Lane 2.: THP1 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CSTA antibody	CSTA, also known as Stefin A, is thiol protease inhibitors that form complexes with papain and the cathepsins B, H and L. The protein is one of the precursor proteins of the cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. CSTA is thought to be a tumor suppressor, since an inverse correlation seems to exist between the level of CSTA and tumor progression, in several malignancies.
Product Categories/Family for anti-CSTA antibody	Apoptosis
References	Takai T., et al. (2009) J Immuno. 183 (12): 7958-65.; Sinha AA., et al. (2008) Anticancer Res. 28 (4B): 2271-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885165
NCBI GeneID	1475
NCBI Accession #	NP_005204
NCBI GenBank Nucleotide #	NM_005213.3
UniProt Accession #	P01040; Q6IB90
Molecular Weight	11,006 Da
NCBI Official Full Name	cystatin-A
NCBI Official Synonym Full Names	cystatin A
NCBI Official Symbol	CSTA
NCBI Official Synonym Symbols	AREI; PSS4; STF1; STFA
NCBI Protein Information	cystatin-A
UniProt Protein Name	Cystatin-A
UniProt Gene Name	CSTA
UniProt Synonym Gene Names	STF1; STFA

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/csta-antibody-clone-at1b12-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48250>