

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

STOM antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48156	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

STOM; Monoclonal Antibody; STOM antibody; Erythrocyte band 7 integral membrane protein isoform a; BND7; EPB7; EPB72; anti-STOM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT33F5
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	1mg/ml (varies by lot)
Sequence Length	288
Applicable Applications for anti-STOM antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human STOM (55-288aa) purified from E. coli
Clone Note	Anti-human STOM mAb, clone AT33F5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human STOM 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 STOM in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human STOM antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human STOM antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human STOM antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: STOM Transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-STOM antibody	STOM (stomatin) is a member of a highly conserved family of integral membrane proteins. This protein localizes to the cell membrane of red blood cells and other cell types, where it may regulate ion channels and transporters. Loss of localization of STOM is associated with hereditary stomatocytosis, a form of hemolytic anemia. Although the wide distribution of stomatin and its constitutive expression suggest an important role for this protein in cell biology, perhaps as a house-keeping component, its function remains undetermined. The massive presence of stomatin in membrane-protruding folds and extensions suggests a possible structural role for this protein in the formation of these structures and/or the anchorage to the actin cytoskeleton.
Product Categories/Family for anti-STOM antibody	Neuroscience
References	Hiebl-Dirschmied CM., et al. (1991) Biochim Biophys Acta 1090 (1): 123-4; Stewart GW (1997) J. Biol. Chem. 29 (2): 271-4; Entrez Gene: STOM stomatin;

NCBI AND UNIPROT INFORMATION

NCBI GI #	38016911
NCBI GeneID	2040
NCBI Accession #	NP_004090
NCBI GenBank Nucleotide #	NM_004099.5
UniProt Accession #	P27105; Q14087; Q15609; Q5VX96; Q96FK4; B1AM77
Molecular Weight	13,475 Da
NCBI Official Full Name	erythrocyte band 7 integral membrane protein isoform a
NCBI Official Synonym Full Names	stomatin
NCBI Official Symbol	STOM
NCBI Official Synonym Symbols	BND7; EPB7; EPB72
NCBI Protein Information	erythrocyte band 7 integral membrane protein
UniProt Protein Name	Erythrocyte band 7 integral membrane protein
UniProt Gene Name	STOM
UniProt Synonym Gene Names	BND7; EPB72

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/stom-antibody-clone-at33f5-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48156>