

Mouse anti-Human STIM1 Monoclonal Antibody | anti-STIM1 antibody

STIM1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62351	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

STIM1; Monoclonal Antibody; STIM1 Mouse mAb; D11S4896E; GOK; stim1 {ECO:0000312|RGD:1306831}; Stromal interaction molecule 1; anti-STIM1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	685
Applicable Applications for anti-STIM1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a polypeptide corresponding to STIM1 protein.
Additional Information	Mass spectrum approved
Preparation and Storage	Store at -20 degree C.

IMAGES



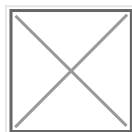
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed THP1 (Human acute monocytic leukemia cell line) cells labeling STIM1 with AAA62351 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

STIM1 was immunoprecipitated from 1mg of THP1 cells membrane fraction, blotted with M25218 of 10 ug. Western blot was performed from the immunoprecipitate using AAA62351 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: THP1 cells membrane fraction. Lane 2: IP product of THP1 cells membrane fraction. Blocking and dilution buffer and concentration: 5% milk/TBST.



WB (Western Blot)

All lanes : STIM1 Mouse mAb at 1/2000 dilution
Lane 1 : THP1 cells membrane fraction
Lane 2 : Jurkat cells membrane fraction
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution
Predicted band size : 77 KDa
Observed band size : 77 KDa
Blocking/Dilution buffer : 1x TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody	This gene encodes a type 1 transmembrane protein that mediates Ca2+ influx after depletion of intracellular Ca2+ stores by gating of store-operated Ca2+ influx channels. It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocrotical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region, as well as early hematopoiesis, by mediating attachment to stromal cells.
Product Categories/Family for anti-STIM1 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	429142778
NCBI GeneID	6786
Molecular Weight	Predicted MW: 77kDa
NCBI Official Full Name	STIM1
NCBI Official Synonym Full Names	stromal interaction molecule 1
NCBI Official Symbol	STIM1
NCBI Official Synonym Symbols	GOK; TAM; TAM1; IMD10; STRMK; D11S4896E
NCBI Protein Information	stromal interaction molecule 1
UniProt Protein Name	Stromal interaction molecule 1
UniProt Gene Name	STIM1

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/stim1-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62351>