#M25012

STIM1 Mouse mAb

Orders ■ 400-6123-828
orders@ab-mart.com
Web ■ www.ab-mart.com.cn

☐50 µl
☐100 µl
☐200 µl

DESCRIPTION

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 (SOCs). 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. Mutations in this gene are associated with fatal classic Kaposi sarcoma, immunodeficiency due to defects in store-operated calcium entry (SOCE) in fibroblasts, ectodermal dysplasia and tubular aggregate myopathy.

SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to STIM1 protein.

STORAGE

Store at -20°C, stable for one year from the date of shipment.

ALIASES

D11S4896E, GOK

REACTIVITY

Homo sapiens

ISOTYPE

Mouse IgG

PREDICTED MOLECULAR WEIGHT

77 KDa

RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:1000-1:5000
immunoprecipitation	10 tests
FACS	1:100-1:200

***For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

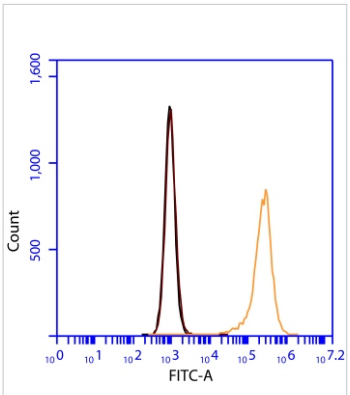
PRODUCT ADVANTAGE

Mass spectrum approved

COMPANION PRODUCTS

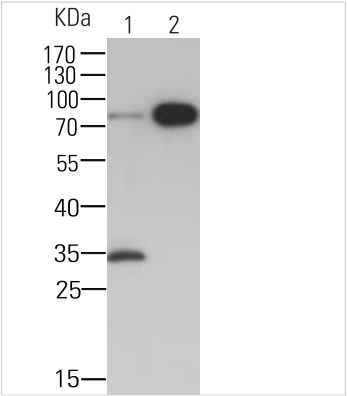
#M21001 Goat-anti-Mouse IgG-HRP
#M20001 His-Tag mAb
#M20002 Myc-Tag mAb
#M20003 HA-Tag mAb
#M20018 Anti-DYKDDDDK-Tag mAb (Agarose conjugated)

APPLICATION DATA



Flow Cytometry–Anti-STIM1 Antibody (M25012)

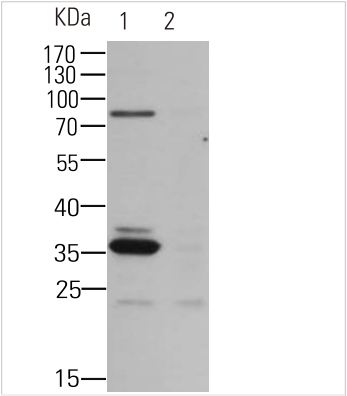
Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling STIM1 with M25012 at 1/200 dilution (yellow) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody,red). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP-Anti-STIM1 Antibody(M25012)

STIM1 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25012 of 10µg. Western blot was performed from the immunoprecipitate using M25012 at 1/2000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.

Blocking and dilution buffer and concentration:5% milk/TBST.



WB-Anti-STIM1 Antibody(M25012)

All lanes : STIM1 Mouse mAb at 1/2000 dilution
Lane 1 : Jurkat cells membrane fraction
Lane 2 : THP1 cells membrane fraction as negative control
Lysates/proteins at 20 µg 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 : 1× TBST.

Applications Key: WB —Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence