

Mouse anti-Homo Sapiens PIEZO1 Monoclonal Antibody | anti-PIEZO1 antibody

PIEZO1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13800	Mouse	Homo Sapiens	Immunoprecipitation, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PIEZO1; Monoclonal Antibody; PIEZO1 Mouse mAb; FAM38A; KIAA0233; anti-PIEZO1 antibody

PRODUCT SPECIFICATIONS

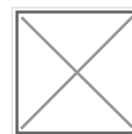
Host	Mouse
Reactivity	Homo Sapiens
Clonality	Monoclonal
Isotype	Mouse IgG
Sequence Length	2521
Applicable Applications for anti-PIEZO1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	Immunoprecipitation: 10 tests Immunofluorescence: 1:100-1:200 FC: 1:100-1:200 For Western Blot (WB), 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.
Source	This monoclonal antibody is produced by immunizing mice with a polypeptide corresponding to PIEZO1 protein.
Product Advantage	Mass Spectrum approved
Preparation and Storage	Store at -20°C.

IMAGES



FCM (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed THP1 (Human acute monocytic leukemia cell line) cells labeling PIEZO1 with AAA13800 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, green). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IF (Immunofluorescence)

Huvecs transfected with Piezo1-GFP, Staining with mouse anti-human Piezo1 antibody (5 ug/ml, AAA13800). No Permeabilized. Recommended dilution: 10 ug/ml IF-Anti-PIEZO1 Antibody AAA13800

ADDITIONAL INFORMATION

Related Product Information for anti-PIEZO1 antibody	The protein encoded by this gene is a mechanically-activated ion channel that links mechanical forces to biological signals. The encoded protein contains 36 transmembrane domains and functions as a homotetramer. Defects in this gene have been associated with dehydrated hereditary stomatocytosis.
Product Categories/Family for anti-PIEZO1 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	257196142
NCBI GeneID	9780
NCBI Accession #	NP_001136336.2
NCBI GenBank Nucleotide #	NM_001142864.4
UniProt Accession #	Q9Z508; Q0KKZ9; A6NHT9; A7E2B7
Molecular Weight	Predicted MW: 286.6 kDa
NCBI Official Full Name	piezo-type mechanosensitive ion channel component 1
NCBI Official Synonym Full Names	piezo type mechanosensitive ion channel component 1
NCBI Official Symbol	PIEZO1
NCBI Official Synonym Symbols	DHS; Mib; LMPH3; FAM38A
NCBI Protein Information	piezo-type mechanosensitive ion channel component 1
UniProt Protein Name	Piezo-type mechanosensitive ion channel component 1
UniProt Gene Name	PIEZO1
UniProt Synonym Gene Names	FAM38A; KIAA0233; Mib

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/piezo1-antibody-immunoprecipitation-immunofluorescence-flow-cytometry-elisa/13800>