

Mouse Piezo-type mechanosensitive ion channel component 1 ELISA Kit | Piezo1 elisa kit

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CATALOG #
AAA99641

REACTIVITY
Mouse

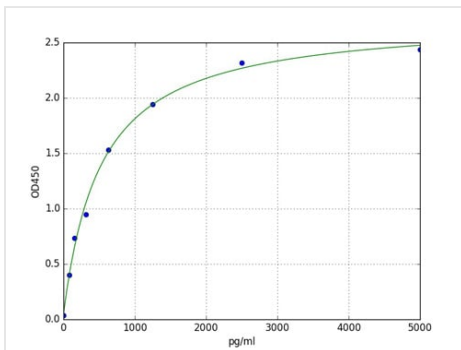
PRODUCT SYNONYMS

Piezo-type mechanosensitive ion channel component 1; Mouse Piezo-type mechanosensitive ion channel component 1 ELISA Kit; Piezo1/Fam38a/Piezo-type mechanosensitive ion channel component 1/Protein FAM38A; Piezo1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	2521
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse Piezo1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.032	0.490	0.817	1.032	1.525	1.914	2.305	2.347

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Piezo1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse Piezo1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Piezo1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse Piezo1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Piezo1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	257196142
NCBI GeneID	9780
NCBI Accession #	NP_001136336.2
NCBI GenBank Nucleotide #	NM_001142864.3
Molecular Weight	286,790 Da
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; 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
UniProt Entry Name	PIEZ1_HUMAN

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/piezo1-mouse-elisa-kits/piezo-type-mechanosensitive-ion-channel-component-1/99641>