

Human Transmembrane Protein 176B (TMEM176B) ELISA Kit | TMEM176B elisa kit

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CATALOG #
AAA140627

REACTIVITY
Human

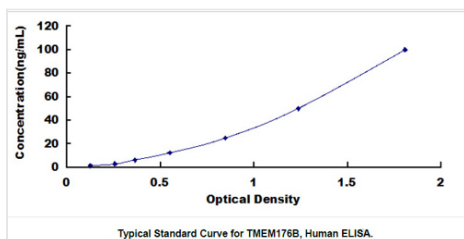
PRODUCT SYNONYMS

Transmembrane Protein 176B (TMEM176B); Human Transmembrane Protein 176B (TMEM176B) ELISA Kit; LR8; TMEM176B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Transmembrane Protein 176B (TMEM176B). No significant cross-reactivity or interference between Transmembrane Protein 176B (TMEM176B) and analogues was observed.
Sequence Length	263
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.61ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Transmembrane Protein 176B (TMEM176B) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Transmembrane Protein 176B (TMEM176B) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMEM176B elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Transmembrane Protein 176B (TMEM176B). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Transmembrane Protein 176B (TMEM176B). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Transmembrane Protein 176B (TMEM176B), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Transmembrane Protein 176B (TMEM176B) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TMEM176B elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	396080353
NCBI GeneID	171411
NCBI Accession #	NP_001257523.1
NCBI GenBank Nucleotide #	NM_001270594.1
Molecular Weight	28,485 Da
NCBI Official Full Name	transmembrane protein 176B
NCBI Official Synonym Full Names	transmembrane protein 176B
NCBI Official Symbol	Tmem176b
NCBI Official Synonym Symbols	Lr8; Torid
NCBI Protein Information	transmembrane protein 176B
UniProt Protein Name	Transmembrane protein 176B
UniProt Gene Name	Tmem176b
UniProt Synonym Gene Names	Lr8; Torid
UniProt Entry Name	T176B_RAT

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/human-elisa-kits/transmembrane-protein-176b-tmem176b/140627>