

Human Transmembrane protein 175 (TMEM175) ELISA Kit | TMEM175 elisa kit

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CATALOG #
AAA246259

REACTIVITY
Human

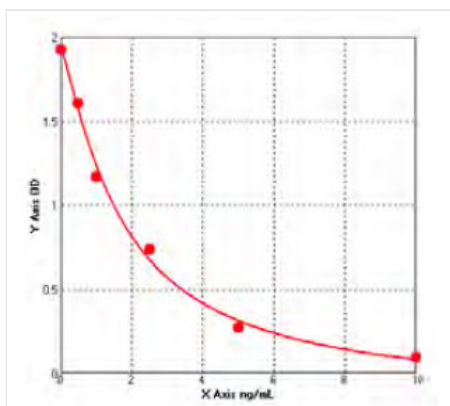
PRODUCT SYNONYMS

Transmembrane protein 175 (TMEM175); Human Transmembrane protein 175 (TMEM175) ELISA Kit; TMEM175 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TMEM175. No significant cross-reactivity or interference between TMEM175 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TMEM175 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMEM175 elisa kit	Principle of the Assay: TMEM175 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TMEM175 antibody and an TMEM175-HRP conjugate. The assay sample and buffer are incubated together with TMEM175-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TMEM175 concentration since TMEM175 from samples and TMEM175-HRP conjugate compete for the anti-TMEM175 antibody binding site. Since the number of sites is limited, as more sites are occupied by TMEM175 from the sample, fewer sites are left to bind TMEM175-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TMEM175 concentration in each sample is interpolated from this standard curve. Intended Uses: This TMEM175 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TMEM175. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13477363
NCBI GeneID	84286
Molecular Weight	42,847 Da
NCBI Official Full Name	Transmembrane protein 175
NCBI Official Synonym Full Names	transmembrane protein 175
NCBI Official Symbol	TMEM175
NCBI Protein Information	transmembrane protein 175
UniProt Protein Name	Transmembrane protein 175
UniProt Gene Name	TMEM175
UniProt Entry Name	TM175_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/human-elisa-kits/transmembrane-protein-175-tmem175/246259>