

Mouse Transmembrane Protein 59 (TMEM59) ELISA Kit | TMEM59 elisa kit

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CATALOG # AAA332185	REACTIVITY Mouse
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PRODUCT SYNONYMS

Transmembrane Protein 59 (TMEM59); Mouse Transmembrane Protein 59 (TMEM59) ELISA Kit; TMEM59; RP4-758J24.2; C1orf8; FLJ42977; HSPC001; liver membrane-bound protein; thymic dendritic cell-derived factor 1; TMEM59 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transmembrane protein 59 (TMEM59) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMEM59. No significant cross-reactivity or interference between Mouse TMEM59 and analogues was observed.
Sequence Length	323
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Transmembrane protein 59 (TMEM59) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMEM59 elisa kit	Description: This Mouse Transmembrane protein 59 (TMEM59) ELISA Kit employs a two-site sandwich ELISA to quantitate TMEM59 in samples. An antibody specific for TMEM59 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMEM59 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM59 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TMEM59 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMEM59 is a membrane bound protein that is localized to the Golgi apparatus. The precise function of TMEM59 is not known, however it has been demonstrated that expression of TMEM59 protein inhibits Golgi glycosylation of amyloid precursor protein (APP) and blocks APP cleavage by the alpha- and beta-amyloid precursor protein secretases and therefore inhibits formation of the beta amyloid peptide that forms amyloid plaques in Alzheimer's disease. Hematopoietic stem/progenitor cells (HSPCs) possess the potentials of self-renewal, proliferation, and differentiation toward different lineages of blood cells. Characterization of the gene expression profile in CD34(+) HSPCs may lead to a better understanding of the regulation of normal and pathological hematopoiesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	227330571
NCBI GeneID	56374
NCBI Accession #	NP_083841.4
NCBI GenBank Nucleotide #	NP_083841.4
UniProt Accession #	Q9QY73
NCBI Official Full Name	transmembrane protein 59
NCBI Official Synonym Full Names	transmembrane protein 59
NCBI Official Symbol	Tmem59
NCBI Official Synonym Symbols	ORF18; MTDCF1; AI256529; D4Ert20e; 1110001M20Rik; 3110046P06Rik
NCBI Protein Information	transmembrane protein 59
UniProt Protein Name	Transmembrane protein 59
UniProt Gene Name	Tmem59
UniProt Synonym Gene Names	ORF18; Tdcf1
UniProt Entry Name	TMM59_MOUSE

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.