

Mouse Transmembrane Protein 97 (TMEM97/MAC30) ELISA Kit | TMEM97/MAC30 elisa kit

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CATALOG #
AAA332175

REACTIVITY
Mouse

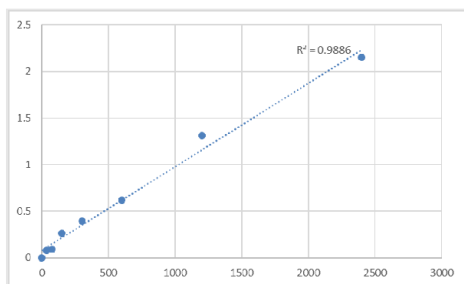
PRODUCT SYNONYMS

Transmembrane Protein 97 (TMEM97/MAC30); Mouse Transmembrane Protein 97 (TMEM97/MAC30) ELISA Kit; TMEM97/MAC30; MAC30; TMEM97/MAC30 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transmembrane protein 97 (TMEM97/MAC30) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMEM97/MAC30. No significant cross-reactivity or interference between Mouse TMEM97/MAC30 and analogues was observed.
Sequence Length	176
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 97 (TMEM97/MAC30) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMEM97/MAC30 elisa kit	Description: This Mouse Transmembrane protein 97 (TMEM97/MAC30) ELISA Kit employs a two-site sandwich ELISA to quantitate TMEM97/MAC30 in samples. An antibody specific for TMEM97/MAC30 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMEM97/MAC30 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM97/MAC30 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 TMEM97/MAC30 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMEM97 is a conserved integral membrane protein that plays a role in controlling cellular cholesterol levels.MAC30 expression in all normal human tissues examined, with highest expression in testis and stomach and lowest expression in thyroid, thymus, and adipose tissue.In situ hybridization detected MAC30 in normal pancreatic acini, islets, and large ducts. Immunohistochemical analysis showed MAC30 protein in the cytoplasm of peripheral pancreatic islet cells, in endothelial and smooth muscle cells of blood vessels, and in nerves, monocytes, and fibroblasts. In esophagus, MAC30 was detected in cytoplasm of mucosal cells, particularly in the superficial and intermediate epithelial layers. Gastric submucosa and muscularis and normal colonic epithelium exhibited staining patterns similar to that of esophagus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19526880
NCBI GeneID	69071
NCBI Accession #	NP_598467.1
NCBI GenBank Nucleotide #	NP_598467.1
UniProt Accession #	Q8VD00
NCBI Official Full Name	sigma intracellular receptor 2
NCBI Official Synonym Full Names	transmembrane protein 97
NCBI Official Symbol	Tmem97
NCBI Official Synonym Symbols	AI115531; AL022956; D11Bhm182e; 1810014L12Rik
NCBI Protein Information	sigma intracellular receptor 2
UniProt Protein Name	Transmembrane protein 97
UniProt Gene Name	Tmem97
UniProt Entry Name	TMM97_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.