

Human Peroxisomal Membrane Protein 4 (PXMP4) ELISA Kit | PXMP4 elisa kit

Human Peroxisomal Membrane Protein 4 (PXMP4) ELISA Kit

CATALOG #
AAA331211

REACTIVITY
Human

PRODUCT SYNONYMS

Peroxisomal Membrane Protein 4 (PXMP4); Human Peroxisomal Membrane Protein 4 (PXMP4) ELISA Kit; PXMP4; PMP24; 24 kDa peroxisomal intrinsic membrane protein; peroxisomal membrane protein 4; PXMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peroxisomal membrane protein 4 (PXMP4) ELISA Kit has high sensitivity and excellent specificity for detection of Human PXMP4. No significant cross-reactivity or interference between Human PXMP4 and analogues was observed.
Sequence Length	212
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. Human Peroxisomal membrane protein 4 (PXMP4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PXMP4 elisa kit	Description: This Human Peroxisomal membrane protein 4 (PXMP4) ELISA Kit employs a two-site sandwich ELISA to quantitate PXMP4 in samples. An antibody specific for PXMP4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PXMP4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PXMP4 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 PXMP4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pxmp4, which encodes a 24-kDa peroxisomal integral membrane protein of unknown function. Pxmp4 was originally isolated as a 24-kDa polypeptide from rat liver peroxisome membranes (36). As increased message for Pxmp4 is associated with the NOD allele that confers weaker NKT cell stimulatory capacity, one possibility is that Pxmp4 contributes to the biosynthesis of a nonstimulatory etherphospholipid ligand for CD1d. Pxmp4 may be a component in a fatty acid degradation pathway that catabolizes stimulatory CD1d ligands. Peroxisomes play a critical role in the - and -oxidation of very long chain fatty acids. Pex19 associates with Pxmp4 during or immediately after its translation by free ribosomes. Peroxisomal membrane insertion of the Pxmp4-Pex19 complex is dependent on Pex3p.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34452734
NCBI GeneID	11264
NCBI Accession #	NP_009169.3
NCBI GenBank Nucleotide #	NP_009169.3
UniProt Accession #	Q9Y6I8
NCBI Official Full Name	peroxisomal membrane protein 4 isoform a
NCBI Official Synonym Full Names	peroxisomal membrane protein 4
NCBI Official Symbol	PXMP4
NCBI Official Synonym Symbols	PMP24
NCBI Protein Information	peroxisomal membrane protein 4
UniProt Protein Name	Peroxisomal membrane protein 4
UniProt Gene Name	PXMP4
UniProt Synonym Gene Names	PMP24
UniProt Entry Name	PXMP4_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.