

Human Peroxisomal Membrane Protein 2 (PXMP2) ELISA Kit | PXMP2 elisa kit

Human Peroxisomal Membrane Protein 2 (PXMP2) ELISA Kit

CATALOG #
AAA331213

REACTIVITY
Human

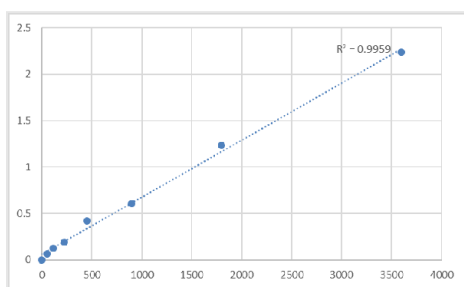
PRODUCT SYNONYMS

Peroxisomal Membrane Protein 2 (PXMP2); Human Peroxisomal Membrane Protein 2 (PXMP2) ELISA Kit; PXMP2; FLJ54922; PMP22; PXMP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peroxisomal membrane protein 2 (PXMP2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PXMP2. No significant cross-reactivity or interference between Human PXMP2 and analogues was observed.
Sequence Length	195
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 2 (PXMP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PXMP2 elisa kit	Description: This Human Peroxisomal membrane protein 2 (PXMP2) ELISA Kit employs a two-site sandwich ELISA to quantitate PXMP2 in samples. An antibody specific for PXMP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PXMP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PXMP2 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 PXMP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PMP22 is a major component of peroxisomal membranes in mammals.It seems to be involved in pore forming activity and may contribute to the unspecific permeability of the organelle membrane. PMP22 is synthesized on free cytosolic ribosomes and then directed to the peroxisome membrane by specific targeting information. Previous studies in rats revealed that PMP22 contains one distinct peroxisomal membrane targeting signal in the amino-terminal cytoplasmic tail. Amino acid sequence alignment of rat and human protein revealed 77% identity including a high conservation of several protein motifs.Human as well as rat PMP22 contains two distinct and nonoverlapping peroxisomal membrane targeting signals, one in the amino-terminal and the other in the carboxyl-terminal protein region.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923892
NCBI GeneID	5827
NCBI Accession #	NP_061133.1
NCBI GenBank Nucleotide #	NP_061133.1
UniProt Accession #	Q9NR77
NCBI Official Full Name	peroxisomal membrane protein 2
NCBI Official Synonym Full Names	peroxisomal membrane protein 2
NCBI Official Symbol	PXMP2
NCBI Official Synonym Symbols	PMP22
NCBI Protein Information	peroxisomal membrane protein 2
UniProt Protein Name	Peroxisomal membrane protein 2
UniProt Gene Name	PXMP2
UniProt Synonym Gene Names	PMP22
UniProt Entry Name	PXMP2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/peroxisomal-membrane-protein-2-pxmp2/331213>