

Rat Membrane Protein, Palmitoylated 2 (MPP2) ELISA Kit | MPP2 elisa kit

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CATALOG #
AAA67354

REACTIVITY
Rat

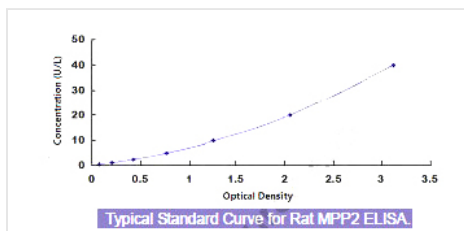
PRODUCT SYNONYMS

Membrane Protein; Palmitoylated 2 (MPP2); Rat Membrane Protein; Palmitoylated 2 (MPP2) ELISA Kit; DLG2; MAGUK P55 Subfamily Member 2; Discs Large; Homolog 2; MPP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MPP2. No significant cross-reactivity or interference between MPP2 and analogues was observed.
Sequence Length	552
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40U/L
Sensitivity	0.5U/L
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MPP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MPP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MPP2 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MPP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MPP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MPP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MPP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281306759
NCBI GeneID	85275
NCBI Accession #	NP_445965.1
NCBI GenBank Nucleotide #	NM_053513.1
UniProt Accession #	D3ZAA9; G3V8T8
Molecular Weight	61,565 Da
NCBI Official Full Name	MAGUK p55 subfamily member 2
NCBI Official Synonym Full Names	membrane palmitoylated protein 2
NCBI Official Symbol	Mpp2
NCBI Official Synonym Symbols	Dlg2
NCBI Protein Information	MAGUK p55 subfamily member 2
UniProt Protein Name	Membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2), isoform CRA_a
UniProt Gene Name	Mpp2

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/rat-elisa-kits/membrane-protein-palmitoylated-2-mpp2/67354>