

Mouse Protein Tyrosine Phosphatase Receptor Type G ELISA Kit | PTPRG elisa kit

Mouse Protein Tyrosine Phosphatase Receptor Type G (PTPRG) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190020

REACTIVITY
Mouse

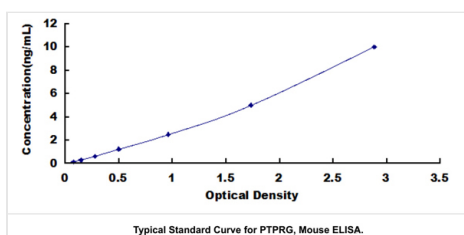
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Receptor Type G; Mouse Protein Tyrosine Phosphatase Receptor Type G (PTPRG) (Sandwich ELISA) ELISA Kit; PTPR-G; HPTPG; PTPG; R-PTP-GAMMA; RPTPG; Receptor-type tyrosine-protein phosphatase gamma; ELISA Kit for Protein Tyrosine Phosphatase Receptor Type G (PTPRG); PTPRG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PTPRG. No significant cross-reactivity or interference between PTPRG and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTPRG 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 PTPRG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPRG elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PTPRG. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PTPRG. 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 PTPRG, 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 PTPRG in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTPRG in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PTPRG elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791843
NCBI GeneID	19270
NCBI Accession #	NP_033007.2
NCBI GenBank Nucleotide #	NM_008981.3
UniProt Accession #	Q05909
Molecular Weight	161,243 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase gamma
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, G
NCBI Official Symbol	Ptprg
NCBI Official Synonym Symbols	AW046354; AW549872; RPTPgamma; 5430405N12Rik
NCBI Protein Information	receptor-type tyrosine-protein phosphatase gamma; R-PTP-gamma; Protein-tyrosine phosphatase gamma precursor (R-PTP-gamma)
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase gamma
UniProt Gene Name	Ptprg
UniProt Synonym Gene Names	Protein-tyrosine phosphatase gamma; R-PTP-gamma
UniProt Entry Name	PTPRG_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.