



Human PTPRM blocking peptide (CDBP2438)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PTPRM antibody
Antigen Description	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP has been shown to mediate cell-cell aggregation through the interaction with another molecule of this PTP on an adjacent cell. This PTP can interact with scaffolding protein RACK1/GNB2L1, which may be necessary for the downstream signaling in response to cell-cell adhesion. Alternative splicing results in multiple transcripts encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [PTPRM protein tyrosine phosphatase, receptor type, M \[Homo sapiens\]](#)

Official Symbol	PTPRM
Synonyms	PTPRM; protein tyrosine phosphatase, receptor type, M; PTPRL1; receptor-type tyrosine-protein phosphatase mu; hR PTPu; RPTPU; protein tyrosine phosphatase mu; protein-tyrosine phosphatase mu; protein tyrosine phosphatase, receptor type, mu polypeptide; RPTPM; hR-PTPu; R-PTP-MU; MGC166994;
Entrez Gene ID	5797
mRNA Refseq	NM_001105244
Protein Refseq	NP_001098714
UniProt ID	P28827
Chromosome Location	18p11.2
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Nectin adhesion pathway, organism-specific biosystem;
Function	cadherin binding; hydrolase activity; protein binding; protein tyrosine phosphatase activity; receptor activity; transmembrane receptor protein tyrosine phosphatase activity;