Mouse anti-Human PTPRD Monoclonal Antibody | anti-PTPRD antibody

Mouse Monoclonal Antibody to PTPRD

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268483	**Mouse**	**Human**	**Western Blot, Flow Cytometry, Functional Assay, ELISA**

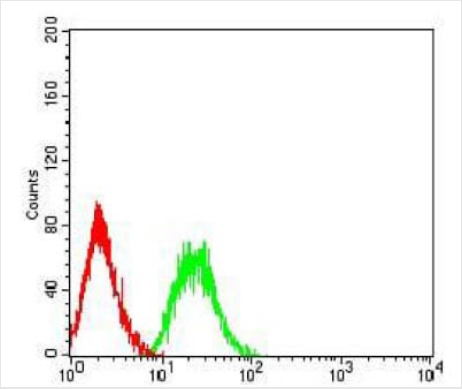
PRODUCT SYNONYMS

PTPRD; Monoclonal Antibody; Mouse Monoclonal Antibody to PTPRD; HPTP; PTPD; HPTPD; HPTPDELTA; RPTPDELTA; anti-PTPRD antibody

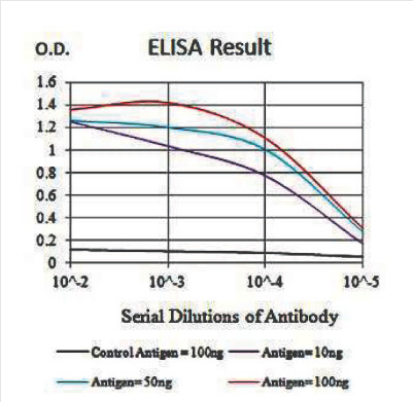
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5H5D7
Form/Format	Purified antibody in PBS with 0.05% sodium azide
Sequence Length	246
Applicable Applications for anti-PTPRD antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	Purified recombinant fragment of human PTPRD (AA: extra 1077-1265) expressed in E. coli.
Preparation and Storage	The antibody may be stored at -20?for one year in its original formulation. Avoid repeated freeze-thaw cycles of the diluted antibody.

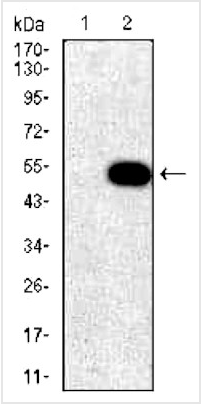
IMAGES



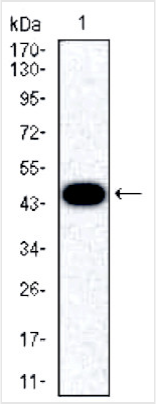
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HL-60 cells using PTPRD mouse mAb (green) and negative control (red).



ELISA
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng).



WB (Western Blot)
Western blot analysis using PTPRD mAb against HEK293 (1) and PTPRD (AA: extra 1077-1265)-hIgGFc transfected HEK293 (2) cell lysate.



WB (Western Blot)
Western blot analysis using PTPRD mAb against human PTPRD (AA: extra 1077-1265) recombinant protein. (Expected MW is 47.4 kDa).

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRD antibody	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 contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of three Ig-like and eight fibronectin type III-like domains. Studies of the similar genes in chicken and fly suggest the role of this PTP is in promoting neurite growth, and regulating neurons axon guidance. Multiple alternatively spliced transcript variants of this gene have been reported. A related pseudogene has been identified on chromosome 5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	958835254
NCBI GeneID	5789
Molecular Weight	214.8kDa
NCBI Official Full Name	PTPRD, partial
NCBI Official Synonym Full Names	protein tyrosine phosphatase receptor type D
NCBI Official Symbol	PTPRD
NCBI Official Synonym Symbols	HPTP; PTPD; HPTPD; HPTPDELTA; RPTPDELTA
NCBI Protein Information	receptor-type tyrosine-protein phosphatase delta

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://www.aaabiotech.com/monoclonal/ptprd-antibody-clone-5h5d7-western-blot-flow-cytometry-elisa/268483