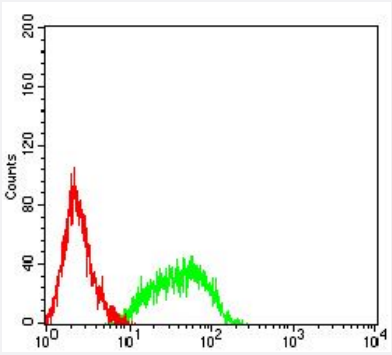
PTPRF monoclonal antibody, clone 6D7C7

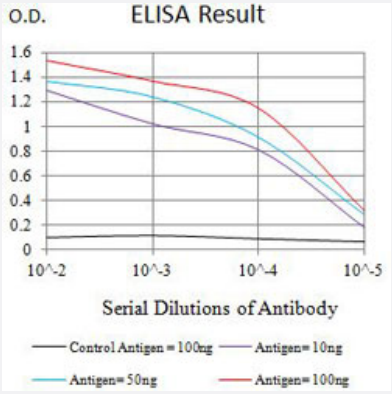
Catalog # MAB21381 Size 100 ug

Applications



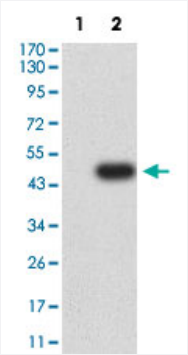
Flow Cytometry

Flow cytometric analysis of HL-60 cells with PTPRF monoclonal antibody, clone 6D7C7 (Cat # MAB21381) (Green). Red: Negative Control.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with PTPRF monoclonal antibody, clone 6D7C7 (Cat # MAB21381).



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: PTPRF-hIgGFc transfected HEK293 cell lysates with PTPRF monoclonal antibody, clone 6D7C7 (Cat # MAB21381).

Specification

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Product Description	Mouse monoclonal antibody raised against partial recombinant human PTPRF.
Immunogen	Recombinant protein corresponding to amino acids 1104-1163 of human PTPRF.
Host	Mouse
Theoretical MW (kDa)	213
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Flow cytometric analysis of HL-60 cells with PTPRF monoclonal antibody, clone 6D7C7 (Cat # MAB21381) (Green). Red: Negative Control.

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  ELISA analysis with PTPRF monoclonal antibody, clone 6D7C7 (Cat # MAB21381).

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Gene Info — PTPRF

Entrez GeneID	5792
Protein Accession#	P10586

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Gene Name	PTPRF
Gene Alias	FLJ43335, FLJ45062, FLJ45567, LAR
Gene Description	protein tyrosine phosphatase, receptor type, F
Omim ID	179590
Gene Ontology	Hyperlink
Gene Summary	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 c ell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an ext racellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic dom ains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like dom ains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as i n the control of beta-catenin signaling. An increased expression level of this protein was found in t he insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the path ogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which enc ode distinct proteins, have been reported. [provided by RefSeq
Other Designations	LCA-homolog|OTTHUMP00000008684|leukocyte antigen-related (LAR) PTP receptor|leukocyte antigen-related tyrosine phosphatase|protein tyrosine phosphatase, receptor type, F polypeptide|r eceptor-linked protein-tyrosine phosphatase LAR

Pathway

- Adherens junction
- Cell adhesion molecules (CAMs)
- Insulin signaling pathway

Disease

- Diabetes Mellitus
- Insulin Resistance
- Obesity

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