

Datasheet for ABIN5684049  
**anti-PTPRM antibody (AA 565-742)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	0.1 mg
Target:	PTPRM
Binding Specificity:	AA 565-742
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTPRM antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

## Product Details

Immunogen:	Purified recombinant fragment of human PTPRM (AA: extra 565-742) expressed in E. coli.
Clone:	8F1C10
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	PTPRM
Alternative Name:	PTPRM ( <a href="#">PTPRM Products</a> )
Background:	Description: The protein encoded by this gene is a member of the protein tyrosine phosphatase

## Target Details

(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.

Aliases: RPTPM, RPTPU, PTPRL1, hR-PTPu, R-PTP-MU

Molecular Weight:	163.7 kDa
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Gene ID:	5797
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HGNC:	2215
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## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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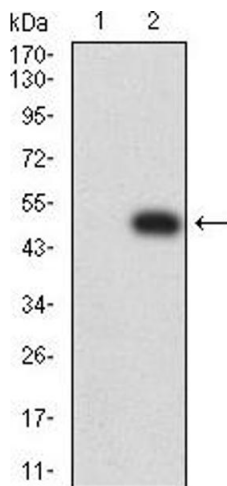
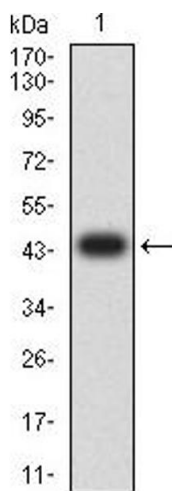
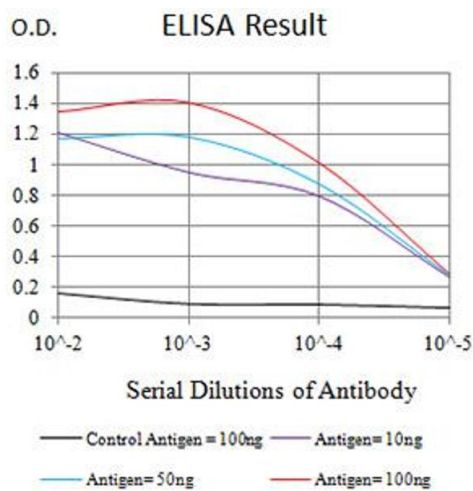
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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## ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

## Western Blotting

**Image 2.** Western blot analysis using PTPRM mAb against human PTPRM (AA: extra 565-742) recombinant protein. (Expected MW is 45.7 kDa)

## Western Blotting

**Image 3.** Western blot analysis using PTPRM mAb against HEK293 (1) and PTPRM (AA: extra 565-742)-hlgGfc transfected HEK293 (2) cell lysate.