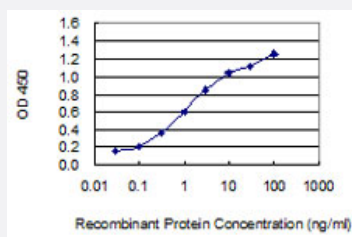


# PTPN14 monoclonal antibody (M01), clone 4F7

Catalog # H00005784-M01

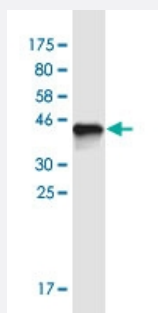
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTPN14 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (40.04 kDa) .

## Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PTPN14.
Immunogen	PTPN14 (NP_005392.2, 303 a.a. ~ 412 a.a) partial recombinant protein with GST-pstS1 tag.
Sequence	KQNKICTEQSNSPPPIRRQPTWSRSSLPRQQPYILPPVHVQCGEHYSEHTSQDSIFHGNEEALYC NSHNSLDLNYLNGTVTNGSVCSVHSVNSLNCQSFIQASPVSSN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95)

Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.04 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTPN14 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PTPN14

Entrez GeneID	<a href="#">5784</a>
GeneBank Accession#	<a href="#">NM_005401.4</a>
Protein Accession#	<a href="#">NP_005392.2</a>
Gene Name	PTPN14
Gene Alias	MGC126803, PEZ, PTP36
Gene Description	protein tyrosine phosphatase, non-receptor type 14
Omim ID	<a href="#">603155</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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 cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal noncatalytic domain similar to that of band 4.1 superfamily cytoskeleton-associated proteins, which suggested the membrane or cytoskeleton localization of this protein. The specific function of this PTP has not yet been determined. [provided by RefSeq]

**Other Designations**

OTTHUMP00000035094|cytoskeletal-associated protein tyrosine phosphatase

**Disease**

- [Tobacco Use Disorder](#)