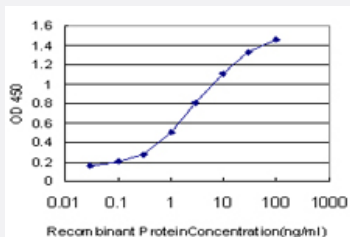


# PTPRJ monoclonal antibody (M01), clone 6G11

Catalog # H00005795-M01

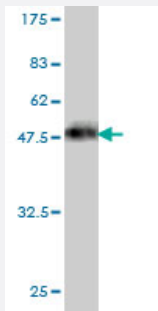
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse monoclonal antibody raised against a partial recombinant PTPRJ.                                               |
| Immunogen           | PTPRJ (NP_002834.2, 38 a.a. ~ 137 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence            | GTPSPIPDPSVATVATGENGITQISSTAESFHKQNGTGTPQVETNTSEDGESSGANDSLRTPEQG<br>SNGTDGASQKTPSSTGSPVFDIKAVSISPTNVIL             |
| Host                | Mouse                                                                                                               |
| Reactivity          | Human                                                                                                               |

|                               |                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Rat (33)                                                                                                 |
| Isotype                       | IgG2a Kappa                                                                                              |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.74 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 PTPRJ is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PTPRJ

|                     |                                                |
|---------------------|------------------------------------------------|
| Entrez GeneID       | <a href="#">5795</a>                           |
| GeneBank Accession# | <a href="#">NM_002843</a>                      |
| Protein Accession#  | <a href="#">NP_002834.2</a>                    |
| Gene Name           | PTPRJ                                          |
| Gene Alias          | CD148, DEP1, HPTPeta, R-PTP-ETA, SCC1          |
| Gene Description    | protein tyrosine phosphatase, receptor type, J |
| Omim ID             | <a href="#">114500 600925</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 possesses an extracellular region containing five fibronectin type III repeats, a single transmembrane region, and a single intracytoplasmic catalytic domain, and thus represents a receptor-type PTP. This protein is present in all hematopoietic lineages, and was shown to negatively regulate T cell receptor signaling possibly through interfering with the phosphorylation of Phospholipase C Gamma 1 and Linker for Activation of T Cells. This protein can also dephosphorylate the PDGF beta receptor, and may be involved in UV-induced signal transduction. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

CD148 antigen|human density enhanced phosphatase-1|protein tyrosine phosphatase, receptor type, J polypeptide|receptor-type tyrosine-protein phosphatase eta|susceptibility to colon cancer 1, mouse, homolog of

**Pathway**

- [Adherens junction](#)

**Disease**

- [Adenoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)

- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)