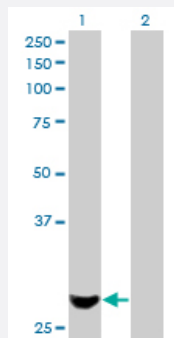


# PMM2 monoclonal antibody (M01), clone 2E9

Catalog # H00005373-M01

Size 100 ug

## Applications

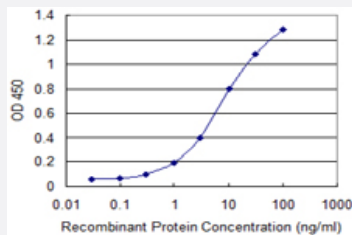


### Western Blot (Transfected lysate)

Western Blot analysis of PMM2 expression in transfected 293T cell line by PMM2 monoclonal antibody (M01), clone 2E9.

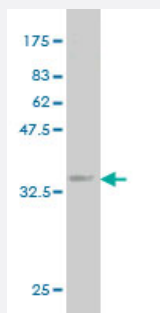
Lane 1: PMM2 transfected lysate (28.1 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PMM2 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (32.89 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant PMM2.

Immunogen	PMM2 (NP_000294, 47 a.a. ~ 111 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SDFEKVQEQLGNDVVEKYDYVFPENGLVAYKDGKLLCRQNIQSHLGEALIQDLINYCLSYIAKIK
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.89 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 (Transfected lysate)

Western Blot analysis of PMM2 expression in transfected 293T cell line by PMM2 monoclonal antibody (M01), clone 2E9.

Lane 1: PMM2 transfected lysate(28.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PMM2 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PMM2

Entrez GeneID [5373](#)

GeneBank Accession# [NM\\_000303](#)

Protein Accession#	<a href="#">NP_000294</a>
Gene Name	PMM2
Gene Alias	CDG1, CDG1a, CDGS
Gene Description	phosphomannomutase 2
Omim ID	<a href="#">212065 601785</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The protein encoded by this gene catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate, which is a precursor to GDP-mannose necessary for the synthesis of dolichol-P-oligosaccharides. Mutations in this gene have been shown to cause defects in glycoprotein biosynthesis, which manifests as carbohydrate-deficient glycoprotein syndrome type I. [provided by RefSeq]</p>
Other Designations	-

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)