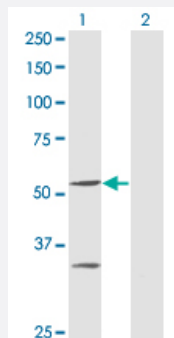


# PPOX monoclonal antibody (M04), clone 2B5

Catalog # H00005498-M04

Size 100 ug

## Applications

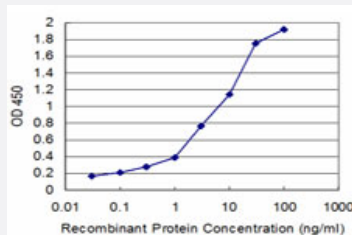


### Western Blot (Transfected lysate)

Western Blot analysis of PPOX expression in transfected 293T cell line by PPOX monoclonal antibody (M04), clone 2B5.

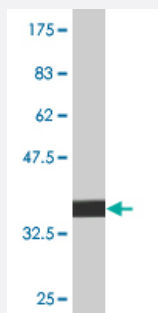
Lane 1: PPOX transfected lysate (Predicted MW: 50.8 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant PPOX.

<b>Immunogen</b>	PPOX (AAH02357, 378 a.a. ~ 477 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	EASGCVLSQELFQQRAQEAAATQLGLKEMPSHCLVHLHKNCIPQYTLGHWQKLESARQFLTAHR LPLTLGASYEGVAVNDCIESGRQAAVSVLGTEPNS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PPOX expression in transfected 293T cell line by PPOX monoclonal antibody (M04), clone 2B5.

Lane 1: PPOX transfected lysate (Predicted MW: 50.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

## Gene Info — PPOX

**Entrez GeneID** [5498](#)

**GeneBank Accession#** [BC002357](#)

Protein Accession#	<a href="#">AAH02357</a>
Gene Name	PPOX
Gene Alias	MGC8485, PPO, V290M, VP
Gene Description	protoporphyrinogen oxidase
Omim ID	<a href="#">176200 600923</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene encodes the penultimate enzyme of heme biosynthesis, which catalyzes the 6-electron oxidation of protoporphyrinogen IX to form protoporphyrin IX. Mutations in this gene cause variegate porphyria, an autosomal dominant disorder of heme metabolism resulting from a deficiency in protoporphyrinogen oxidase, an enzyme located on the inner mitochondrial membrane. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000032237 OTTHUMP00000032238 variegate porphyria

## Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)