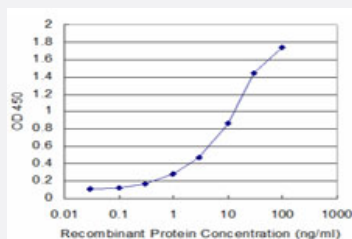


# PPOX monoclonal antibody (M05), clone 3C10

Catalog # H00005498-M05

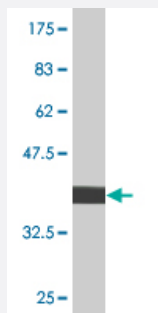
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPOX is approximately 0.3ng/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.                                             |
| Immunogen           | PPOX (AAH02357, 378 a.a. ~ 477 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence            | EASGCVLSQELFQQRAQEEAAATQLGLKEMPSHCLVHLHKNCIPQYTLGHWQKLESARQFLTAHR<br>LPLTLGASYEGVAVNDCIESGRQAAVSVLGTEPNS         |
| Host                | Mouse                                                                                                            |
| Reactivity          | Human                                                                                                            |
| Isotype             | IgG2a Kappa                                                                                                      |

**Quality Control Testing**

Antibody Reactive Against Recombinant Protein.  
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 PPOX is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PPOX

**Entrez GeneID**

[5498](#)

**GeneBank Accession#**

[BC002357](#)

**Protein Accession#**

[AAH02357](#)

**Gene Name**

PPOX

**Gene Alias**

MGC8485, PPO, V290M, VP

**Gene Description**

protoporphyrinogen oxidase

**Omim ID**

[176200](#) [600923](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

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]

**Other Designations**

OTTHUMP00000032237|OTTHUMP00000032238|variegate porphyria

**Pathway**

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