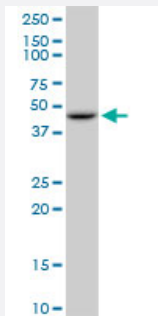


# GOT2 monoclonal antibody (M09), clone 4H8

Catalog # H00002806-M09

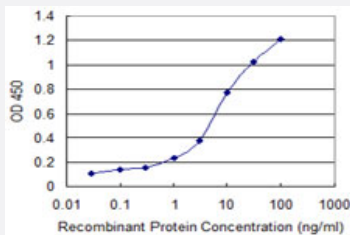
Size 100 ug

## Applications



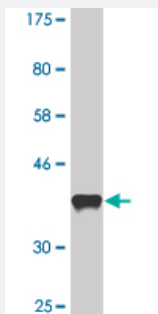
### Western Blot (Cell lysate)

GOT2 monoclonal antibody (M09), clone 4H8. Western Blot analysis of GOT2 expression in HepG2(Cat # L019V1 ).



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GOT2 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant GOT2.

|                                      |                                                                                                                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>                     | GOT2 (NP_002071, 331 a.a. ~ 430 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | LNTPDLRKQWLQEVKGMADRIIGMRTQLVSNLKKEGSTHNWQHITDQIGMFCFTGLKPEQVERLIK<br>EFSYMTKDGRISVAGVTSSNVGYLAHAHQVTK            |
| <b>Host</b>                          | Mouse                                                                                                             |
| <b>Reactivity</b>                    | Human                                                                                                             |
| <b>Interspecies Antigen Sequence</b> | Mouse (93); Rat (93)                                                                                              |
| <b>Isotype</b>                       | IgG2b Kappa                                                                                                       |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>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 (Cell lysate)

GOT2 monoclonal antibody (M09), clone 4H8. Western Blot analysis of GOT2 expression in HepG2(Cat # L019V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GOT2 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — GOT2

Entrez GeneID [2806](#)

|                     |                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GeneBank Accession# | <a href="#">NM_002080</a>                                                                                                                                                                                                                                                                                                                        |
| Protein Accession#  | <a href="#">NP_002071</a>                                                                                                                                                                                                                                                                                                                        |
| Gene Name           | GOT2                                                                                                                                                                                                                                                                                                                                             |
| Gene Alias          | FLJ40994, KAT4, KATV, mitAAT                                                                                                                                                                                                                                                                                                                     |
| Gene Description    | glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)                                                                                                                                                                                                                                                                |
| Omim ID             | <a href="#">138150</a>                                                                                                                                                                                                                                                                                                                           |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                        |
| Gene Summary        | Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. [provided by RefSeq] |
| Other Designations  | aspartate aminotransferase 2 kynurenine aminotransferase IV                                                                                                                                                                                                                                                                                      |

## Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Cysteine and methionine metabolism](#)
- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Novobiocin biosynthesis](#)
- [Phenylalanine](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)