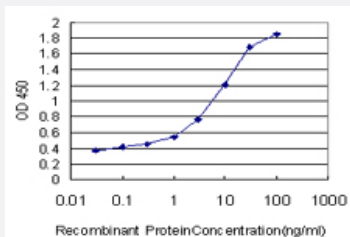


# DAO monoclonal antibody (M01), clone 2F5

Catalog # H00001610-M01

Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

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

## Specification

|                                      |                                                                                                                  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant DAO.                                              |
| <b>Immunogen</b>                     | DAO (NP_001908, 119 a.a. ~ 218 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | PRELDMFPDYGYGWFHTSLILEGKNYLQWLTERLTERGVKFFQRKVESFEEVAREGADVVNCTG<br>VWAGALQRDPLLQPGRGQIMKVDAPWMKHFILTHD          |
| <b>Host</b>                          | Mouse                                                                                                            |
| <b>Reactivity</b>                    | Human                                                                                                            |
| <b>Interspecies Antigen Sequence</b> | Mouse (79)                                                                                                       |
| <b>Isotype</b>                       | IgG2a Kappa                                                                                                      |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.                                                                   |
| <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

- Sandwich ELISA (Recombinant protein)

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[Protocol Download](#)

- ELISA

## Gene Info — DAO

Entrez GeneID [1610](#)

GeneBank Accession# [NM\\_001917](#)

Protein Accession# [NP\\_001908](#)

Gene Name DAO

Gene Alias DAAO, DAMOX, MGC35381, OXDA

Gene Description D-amino-acid oxidase

Omim ID [124050](#) [181500](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes the peroxisomal enzyme D-amino acid oxidase. The enzyme is a flavoprotein which uses flavin adenine dinucleotide (FAD) as its prosthetic group. Its substrates include a wide variety of D-amino acids, but it is inactive on the naturally occurring L-amino acids. Its biological function is not known; it may act as a detoxifying agent which removes D-amino acids that accumulate during aging. In mice, it degrades D-serine, a co-agonist of the NMDA receptor. This gene may play a role in the pathophysiology of schizophrenia. [provided by RefSeq]

Other Designations -

## Pathway

- [Arginine and proline metabolism](#)
- [D-Arginine and D-ornithine metabolism](#)
- [Glycine](#)

- [Metabolic pathways](#)

## Disease

- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Brief Psychiatric Rating Scale](#)
- [Celiac Disease](#)
- [Cognition](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Intelligence Tests](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Personality Tests](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Schizotypal Personality Disorder](#)
- [Weight Gain](#)