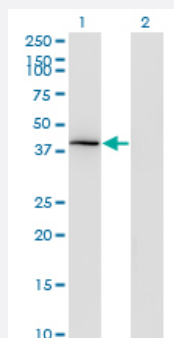


# IDO1 monoclonal antibody (M43), clone 3F3

Catalog # H00003620-M43

Size 100 ug

## Applications

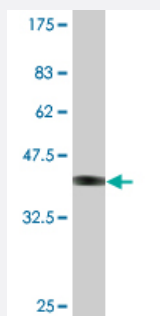


### Western Blot (Transfected lysate)

Western Blot analysis of IDO1 expression in transfected 293T cell line by IDO1 monoclonal antibody (M43), clone 3F3.

Lane 1: IDO1 transfected lysate(45.3 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (37 KDa) .

## Specification

|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against a partial recombinant IDO1.                                              |
| <b>Immunogen</b>           | IDO1 (NP_002155, 304 a.a. ~ 403 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>            | RNFLCSLESNPSVREFVL SKGDAGLREAYDACVKALVSLRSYHLQIVTKYLIPASQQPKENKTSE<br>DPSKLEAKGTGGTDL MNFLKTVRSTTEKSLLKEG         |
| <b>Host</b>                | Mouse                                                                                                             |
| <b>Reactivity</b>          | Human                                                                                                             |
| <b>Isotype</b>             | IgG2a Kappa                                                                                                       |

**Quality Control Testing**

Antibody Reactive Against Recombinant Protein.  
Western Blot detection against Immunogen (37 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 IDO1 expression in transfected 293T cell line by IDO1 monoclonal antibody (M43), clone 3F3.

Lane 1: IDO1 transfected lysate(45.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — IDO1

**Entrez GeneID**

[3620](#)

**GeneBank Accession#**

[NM\\_002164](#)

**Protein Accession#**

[NP\\_002155](#)

**Gene Name**

IDO1

**Gene Alias**

CD107B, IDO, INDO

**Gene Description**

indoleamine 2,3-dioxygenase 1

**Omim ID**

[147435](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

Gamma-interferon (IFNG; MIM 147570) has an antiproliferative effect on many tumor cells and inhibits intracellular pathogens such as Toxoplasma and Chlamydia, at least partly because of the induction of indoleamine 2,3-dioxygenase (INDO; EC 1.13.11.52). This enzyme catalyzes the degradation of the essential amino acid L-tryptophan to N-formyl-kynurenine.[supplied by OMIM]

**Other Designations**

indole 2,3-dioxygenase|indoleamine-pyrrole 2,3 dioxygenase

**Pathway**

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

**Disease**

- [Hepatitis C](#)
- [Multiple Sclerosis](#)
- [Pre-Eclampsia](#)