

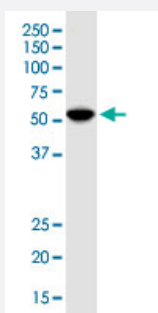
CX Grade

IDO1 monoclonal antibody (M05J), clone 4D2

Catalog # H00003620-M05J

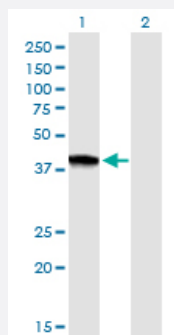
Size 100 ug

Applications



Western Blot (Cell lysate)

IDO1 monoclonal antibody (M05J), clone 4D2. Western Blot analysis of IDO1 expression in HeLa.

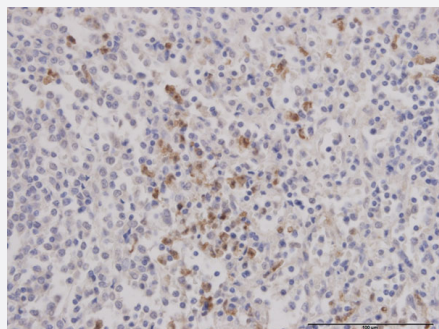


Western Blot (Transfected lysate)

Western Blot analysis of IDO1 expression in transfected 293T cell line by IDO1 monoclonal antibody (M05J), clone 4D2.

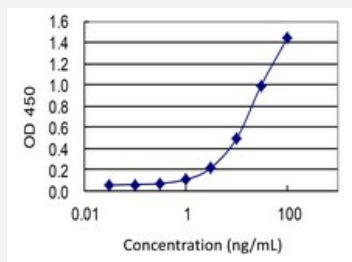
Lane 1: IDO1 transfected lysate (Predicted MW: 45.3 KDa).

Lane 2: Non-transfected lysate.



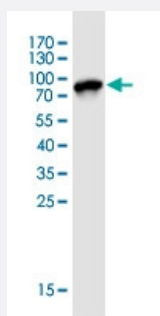
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to IDO1 on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IDO1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (70.07 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant IDO1.
This product is belong to Cell Culture Grade Antibody (CX Grade).

Immunogen

IDO1 (AAH27882.1, 1 a.a. ~ 403 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MAHAMENSWTISKEYHIDEEVGFALPNPQENLPDFYNDWMFIAKHLPDLIESGQLRERVEKLNML
SIDHLTDHKSQRLARLVLCITMAYVWGKGHGDVRKVLPRNIAVPYCQLSKKLELPPILVYADCVL
ANWKKKDPNKPLTYENMDVLFSFRDGDGCSKGFFLVSLLEIAAASAIKVIPTVFKAMQMQRDTL
LKALLEIASCLEKALQVFHQIHDHVNPKAFFSVLRMLSGWKGNPQLSDGLVYEGFWEDPKEFAG
GSAGQSSVFQCFDVLGQQTAGGGHAAQFLQDMRRYMPPAHRNFLCSLESNPSVREFVLSKG
DAGLREAYDACVKALVSLRSYHLQIVTKYLIPASQQPKENKTSEDPSKLEAKGTGGTDLMNFLKT
VRSTTEKSLLKEG

Host

Mouse

Reactivity

Human

Preparation Method

Cell Culture Production

Isotype

IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (70.07 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 (Cell lysate)

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[Protocol Download](#)

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Lane 1: IDO1 transfected lysate (Predicted MW: 45.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

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[Protocol Download](#)

- ELISA

Gene Info — IDO1

Entrez GeneID [3620](#)

GeneBank Accession# [BC027882.1](#)

Protein Accession# [AAH27882.1](#)

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](#)