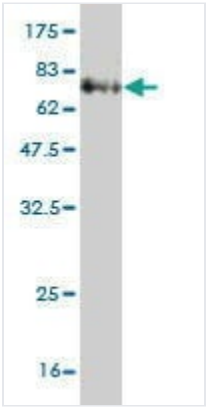
INDO Antibody – Mouse Monoclonal

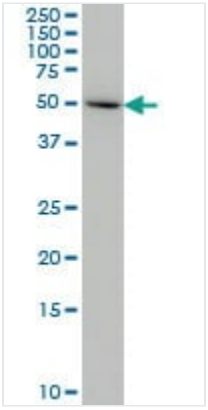
PRODUCT OVERVIEW

Product Name	INDO, Monoclonal Antibody
Full Product Name	INDO (IDO, Indoleamine 2,3-dioxygenase 1, IDO-1, Indoleamine-pyrrole 2,3-dioxygenase, IDO1) APC
Product Gene Name	anti-INDO antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4D2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human INDO.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	45,326 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (39771328..39786309). Location: 8p12-p11
OMIM	147435
3D Structure	ModBase 3D Structure for P14902
Immunogen	Full length recombinant corresponding to aa1-403 from human INDO (AAH27882) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAHAMENSWTISKEYHIDEEVGFALPNPQENLPDFYNDWMFIAKHLPDLIESGQLRERVEKLNMLSIDHLTDHKSQRLARLVLGCITMAYVWGKGHGDVR
Conjugate	APC
Product Categories/Family for anti-INDO antibody	Antibodies; Enzymes; Oxidase
Applications Tested/Suitable for anti-INDO antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-INDO antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.

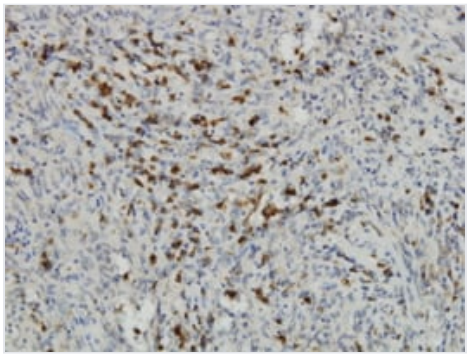
Related Product Information for anti-INDO antibody	MBS6137176 is an antibody targeting INDO. Also known as INDO (IDO, Indoleamine 2,3-dioxygenase 1, IDO-1, Indoleamine-pyrrole 2,3-dioxygenase,
Other Notes	Small volumes of anti-INDO antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa



Western Blot (WB) of anti-INDO antibody
Western Blot detection against Immunogen (70.07kD).



Western Blot (WB) of anti-INDO antibody
INDO monoclonal antibody Western Blot analysis of INDO expression in HeLa.



Immunohistochemistry (IHC) of anti-INDO antibody
Immunoperoxidase of monoclonal antibody to INDO on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INDO. It may not necessarily be applicable to this product.

NCBI GI #	20379777
NCBI GeneID	3620
NCBI Accession #	BC027882
NCBI Related Accession #	AAH27882
UniProt Primary Accession #	P14902
UniProt Secondary Accession #	Q540B4
UniProt Related Accession #	P14902
NCBI Official Full Name	Homo sapiens indoleamine 2,3-dioxygenase 1, mRNA
NCBI Official Synonym Full Names	indoleamine 2,3-dioxygenase 1
NCBI Official Symbol	IDO1
NCBI Official Synonym Symbols	IDO; INDO; IDO-1
UniProt Protein Name	Indoleamine 2,3-dioxygenase 1

UniProt Synonym Protein Names	Indoleamine-pyrrole 2,3-dioxygenase
Protein Family	indole-2-monooxygenase
UniProt Gene Name	IDO1
UniProt Synonym Gene Names	IDO; INDO; IDO-1
UniProt Entry Name	I23O1_HUMAN
NCBI Protein Information	indoleamine 2,3-dioxygenase 1; indole 2,3-dioxygenase; indolamine 2,3 dioxygenase; indoleamine-pyrrole 2,3-dioxygenase
UniProt Comments for INDO	INDO: Catalyzes the cleavage of the pyrrol ring of tryptophan and incorporates both atoms of a molecule of oxygen. Belongs to the indoleamine 2,3-dioxygenase family. Protein type: Amino Acid Metabolism - tryptophan; Cell cycle regulation; EC 1.13.11.52; Oxidoreductase Chromosomal Location of Human Ortholog: 8p12-p11 Cellular Component: stereocilium bundle; smooth muscle contractile fiber; cytosol Molecular Function: electron carrier activity; metal ion binding; heme binding; indoleamine 2,3-dioxygenase activity; tryptophan 2,3-dioxygenase activity Biological Process: regulation of activated T cell proliferation; positive regulation of T-helper 2 type immune response; negative regulation of interleukin-10 production; positive regulation of chronic inflammatory response; tryptophan catabolic process to kynurenine; positive regulation of interleukin-12 production; response to lipopolysaccharide; female pregnancy; negative regulation of T cell proliferation; cytokine production during acute inflammatory response; multicellular organismal response to stress; tryptophan catabolic process; positive regulation of T cell tolerance induction
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