Mouse anti-Human IDO2/Indoleamine 2,3-dioxygenase 2 Monoclonal Antibody | anti-IDO2 antibody

IDO2/Indoleamine 2,3-dioxygenase 2 Mouse Monoclonal Antibody [Clone IDO2/2638]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215596	**Mouse**	**Human**	**Immunohistochemistry, ELISA**

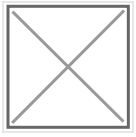
PRODUCT SYNONYMS

IDO2/Indoleamine 2; 3-dioxygenase 2; Monoclonal Antibody; 3-dioxygenase 2 Mouse Monoclonal Antibody [Clone IDO2/2638]; 3-dioxygenase-like protein 1; EC 1. 13. 11. ; INDOL 1; Indoleamine 2; 3 dioxygenase 2; 3 dioxygenase like 1 protein; Indoleamine pyrrole 2; 3 dioxygenase like 1; Indoleamine-pyrrole 2; anti-IDO2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG, kappa
Clone Number	IDO2/2638
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-IDO2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment (around aa 200-350) of human IDO2 protein (exact sequence is proprietary)
Cellular Localization	Cytoplasm
Positive Control	Human placenta or liver.
Hu-chromosome Location	8p11.21
Unigene	676257
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
IHC analysis of formalin-fixed, paraffin-embedded human placenta. Staining using IDO2/2638 at 2ug/ml in PBS for 30min RT. Inset: PBS instead of primary antibody; secondary only negative control.

ADDITIONAL INFORMATION

Related Product Information for anti-IDO2 antibody	IDO2 is a presumptive immunomodulatory gene based on its close structural relationship to IDO1 and its expression in a variety of antigen-presenting cell types. Both IDO1 and IDO2 will catabolize tryptophan to kynurenine. Biochemical studies indicate that both enzymes are similarly robust in catabolic activity, although the in vitro conditions required for IDO2 to manifest the same level of activity differ somewhat from IDO1. However, whether IDO2 is active as a tryptophan catabolizing enzyme in human dendritic cells has been disputed. Further work is needed to conclusively determine that IDO1 and IDO2 are similar in their preference for substrates and reaction pathways to generate product. A non-redundant function for IDO2 relative to IDO1 is suggested by their rather distinct expression patterns and response to extracellular stimuli.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215274147
NCBI GeneID	169355
UniProt Accession #	Q6ZQW0; A4UD41
Molecular Weight	19,610 Da
NCBI Official Full Name	Indoleamine 2,3-dioxygenase 2
NCBI Official Synonym Full Names	indoleamine 2,3-dioxygenase 2
NCBI Official Symbol	IDO2
NCBI Official Synonym Symbols	INDOL1
NCBI Protein Information	indoleamine 2,3-dioxygenase 2; IDO-2; indoleamine 2,3-dioxygenase-like 1 protein; indoleamine 2,3-dioxygenase-like protein 1; indoleamine-pyrrole 2,3 dioxygenase-like 1; indoleamine-pyrrole 2,3-dioxygenase-like protein 1
UniProt Protein Name	Indoleamine 2,3-dioxygenase 2
UniProt Gene Name	**IDO2**
UniProt Synonym Gene Names	INDOL1; IDO-2
UniProt Entry Name	I23O2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ido2-indoleamine-2-3-dioxygenase-2-antibody-clone-ido2-2638-immunohistochemistry-elisa/215596