

Purified anti-mouse IDO

Catalog # / Size: 122402 / 100 µg

Clone: mIDO-48

Isotype: Rat IgG2b, κ

Immunogen: Recombinant mouse IDO protein

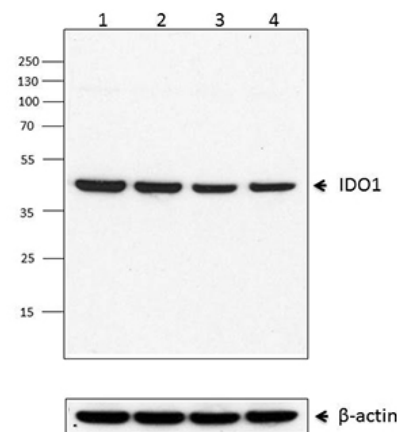
Reactivity: Mouse, Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted between 2°C and 8°C.



Western blot analysis of Jurkat (lane 1), HeLa (lane 2), Raw264.7 (lane 3), and NIH3T3 (lane 4) cells using anti-IDO1 antibody (Clone mIDO-48). β-actin (poly6221) was used as a loading control.

Applications:

Applications: WB - Quality tested
IHC - Reported in literature

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10-20 µg per 5 ml antibody dilution buffer for each mini-gel. For immunohistochemical staining of frozen sections, the suggested use of this reagent is 4 to 10 µg/ml. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of frozen sections¹ and formalin fixed paraffin-embedded sections³, Western blotting^{2,3,4}. This antibody does not react with IDO2.

Application References:

- Harrington L, *et al.* 2008. *Infect. Immunity* 76:3045. (IHC) PubMed
- Dai X, *et al.* 2009. *J. Histochem. Cytochem.* 58:17. (WB) PubMed
- Sorrentino R, *et al.* 2009. *Am. J. Resp. Cell Mol. Epub.* (WB, IHC) PubMed
- Muller AJ, *et al.* 2010. *Cancer Res.* 70:1845. (WB) PubMed
- Sorrentino R, *et al.* 2010. *Am J. respir Cell Mol Biol.* 43:422. PubMed
- Schmidt M, *et al.* 2012. *J Bol Chem.* 287:20197. PubMed
- Babich A, *et al.* 2012. *J Cell Biol.* 197:775. PubMed
- Sumpter TL, *et al.* 2012. *J Immunol.* 189:3848. PubMed
- McAteer MA, *et al.* 2012. *Arterioscler Thromb Vasc Biol.* 32:1427. PubMed
- Huang L, *et al.* 2013. *PLoS One.* 8:66546. PubMed
- Howerton AR, *et al.* 2014. *J Neurosci.* 34:7113. PubMed

Description: The mIDO-48 monoclonal antibody recognizes mouse IDO also known as Indolamine 2,3-dioxygenase, Indole 2,3-dioxygenase, and Indoleamine-pyrrole 2,3-dioxygenase. IDO is a ubiquitously expressed cytoplasm protein with a predicted molecular weight approximately 45 kD. Indoleamine 2,3-dioxygenase (IDO) is one the best known IFN-γ inducible genes. The product of IDO gene catalyzes the degradation of the essential amino acid L-tryptophan to N-formylkynurenine. IDO has been implicated in protection against intracellular and extracellular pathogens. It also has been shown to maintain the special immune suppressive status of immune-privileged sites such as the brain, eyes, kidney, and placenta. The IDO antibody has been shown to be useful for western blotting and Immunohistochemistry.

Other Names: Indolamine 2,3-dioxygenase, Indole 2,3-dioxygenase, Indoleamine-pyrrole 2,3-dioxygenase

Antigen References:

- Habara-Ohkubo A, *et al.* 1991. *Gene* 105:221.
- Munn DH, *et al.* 2002. *Science* 297:1867.

Related Products:Product

HRP Goat anti-rat IgG (minimal x-reactivity)

Purified Rat IgG2b, κ Isotype Ctrl

Clone

Poly4054

RTK4530

Application

ELISA, IF, IHC, WB

FC, ICC, ICFC, IF, IHC, IP, WB

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