

## Purified anti-mouse IDO

**Catalog # / Size:** 122402 / 100 µg  
**Clone:** mIDO-48  
**Isotype:** Rat IgG2b, κ  
**Immunogen:** Recombinant mouse IDO protein  
**Reactivity:** Mouse IDO-1, does not cross-react with IDO-2  
**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.

## 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 sections<sup>1</sup> and formalin fixed paraffin-embedded sections<sup>3</sup>, Western blotting<sup>2,3,4</sup>.

**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 Biol 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. This antibody does not appear to react with human IDO. IDO is a ubiquitously expressed cytoplasm protein with a predicted molecular weight approximately 45 kD. Indoleamine 2,3-dioxygenase (IDO) is one of 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.

**Antigen References:**

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

### Related Products: Product

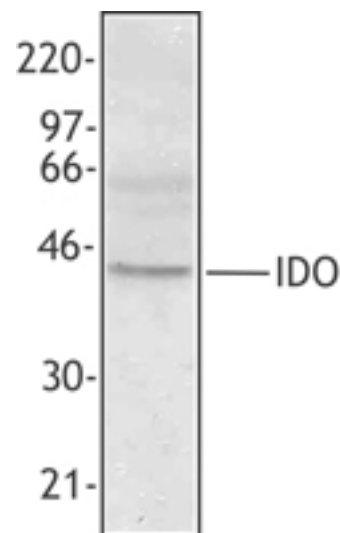
HRP Goat anti-rat IgG (minimal x-reactivity)  
 Purified Rat IgG2b, κ Isotype Ctrl

### Clone

Poly4054  
 RTK4530

### Application

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



*Mouse macrophage extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal IDO (Clone mIDO-48) antibody. Proteins were visualized using a goat anti-rat secondary conjugated to HRP and a chemiluminescence detection system.*



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.