

Product datasheet for **TA397255S**

Ido1 Mouse Monoclonal Antibody [Clone ID: 2E2.6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2E2.6
Applications:	ELISA, FC, IF, IHC, IP, WB
Recommended Dilution:	WB: 1:500-1:1500 IHC: User Optimized IF: 1:50-1:100 FC: 0.5-1x10 ⁶ cells ELISA: 1:5000 - 1:50000
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	IDO1 antibody was produced in mouse by repeated immunizations with mouse recombinant IDO1 protein followed by hybridoma development.
Specificity:	Anti-IDO1 antibody was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above. IDO1 antibody is specific for mouse IDO1 protein. Mouse IDO1 does not react with human tissues. Cross-reactivity with IDO1 from other sources has not been determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	0.95 mg/mL - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Gene Name:	indoleamine 2,3-dioxygenase 1



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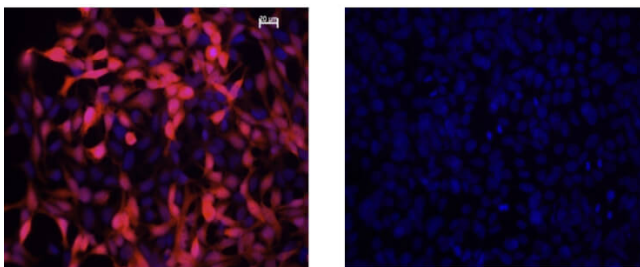
Database Link: [Entrez Gene 15930 Mouse P28776](#)

Background: Anti-IDO-1 antibody recognizes indoleamine 2, 3-dioxygenase1 (IDO1) is a 41-42 kD intracellular enzyme that catabolizes tryptophan into kynurenine. IDO1 modulates levels of the amino acid tryptophan, which is vital for cell growth, but is also involved in the suppression of the immune response. IDO1 effects on immune suppression are due to decreased tryptophan availability and the generation of tryptophan metabolites, resulting in negative effects on T lymphocytes, including proliferation, function and survival. IDO1 may be involved in the suppression of the immune response to tumors, and blocking the IDO1 pathway may be a potential target for immuno and cancer therapy. IDO1 is expressed in a wide variety of tissues and can be upregulated by interferon gamma and other inflammatory cytokines.

Synonyms: mouse anti-IDO1 antibody, Ido, Indo, Indoleamine 2,3-dioxygenase 1, Indoleamine-pyrrole 2,3-dioxygenase, Ido 1, Ido-1, IDO1 antibody, mouse anti-IDO-1 antibody

Note: Anti-IDO1 antibody has been tested for use in ELISA, Western Blot, IF, IHC, and Flow Cytometry. Specific conditions for reactivity should be optimized by the end user.

Product images:



Immunofluorescence Microscopy of Mouse anti-IDO1 Antibody. Cells: HEK293 cells. Fixation: 0.5% PFA. Expressing: mouse IDO-1 (left) and mouse IDO-2 (right). Primary antibody: IDO1 (2E2) monoclonal antibody. Antigen retrieval: not required. Secondary antibody: mouse secondary antibody at 1:10,000 for 45 min at RT. Localization: IDO-1 is located in the cytosol. Staining: IDO1 as red fluorescent signal with bis-benzimide nuclear counterstain (blue).