

Datasheet for 210-301-E59S**IDO2 Antibody****Overview**

Description:	Anti-IDO2 (MOUSE) Monoclonal Antibody - 210-301-E59S
Item No.:	210-301-E59S
Size:	25 µL
Applications:	WB
Reactivity:	Mouse
Host Species:	Mouse

Product Details

Background:	Indoleamine 2,3-dioxygenase 2 (IDO2) is related to IDO1, and may play a role in T and B Cell Immunity. IDO2's role in immune regulation will become clearer following the completion of genetic knock-out studies. IDO2 is expressed in a few select cell types and levels of protein expression appear to be very low, perhaps below the level of detection by IHC. Small-molecule inhibitors of indoleamine 2,3-dioxygenase (IDO) are currently being translated to clinic for evaluation as cancer therapeutics.
Synonyms:	mouse anti-IDO2 Antibody, Indoleamine 2,3-dioxygenase 2, Indol1, Indoleamine 2,3-dioxygenase-like protein 1, Indoleamine-pyrrole 2,3-dioxygenase-like protein 1, Ido-2, Ido 2, IDO2 antibody, mouse anti-IDO-2 antibody
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	1HC
Format:	IgG

Target Details

Gene Name:	Ido2
Reactivity:	Mouse
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-IDO2 (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with complete mouse IDO2 protein followed by hybridoma development.
Purity/Specificity:	Anti-IDO2 was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above. IDO2 antibody is specific for mouse IDO2 protein. Cross-reactivity with IDO2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8R0V5 • NCBI - NP_666061.3 • GeneID - 209176

Application Details

Tested Applications:	WB
Application Note:	Anti-IDO2 antibody has been tested in western blot and is suitable for use in ELISA and IF. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000-1:50000
IF:	1:50-1:100
WB:	1:500-1:1500

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

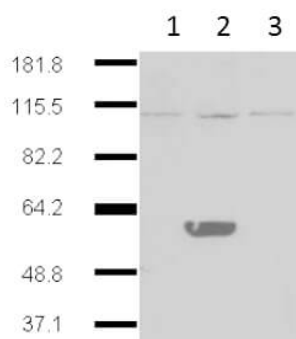
Shipping & Handling

Shipping Condition:	Dry Ice
----------------------------	---------

Storage Condition: 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.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Mouse Anti-IDO2 antibody. Lane 1: HEK293 no transgene cell extracts. Lane 2: mouse IDO-2 transgene expressed in 293HEK. Lane 3: mouse IDO-1 transgene expressed in 293HEK. Primary antibody: IDO2 monoclonal Antibody. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 45.2kDa, ~60 kDa for IDO 2. Other band(s): IDO2 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.