

Anti-IDO2 Monoclonal Antibody

Catalog Number: M06002

About IDO2

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 be 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.

Overview

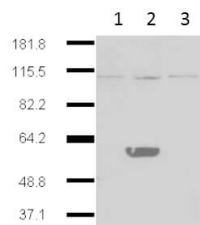
Product Name	Anti-IDO2 Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-IDO2 Monoclonal Antibody (Catalog # M06002). Tested in WB applications. This antibody reacts with Mouse.
Application	ELISA, IF, WB
Clonality	Monoclonal Clone: 1HC
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Mouse
Uniprot ID	Q8R0V5

Technical Details

Immunogen	Anti-IDO2 (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with complete mouse IDO2 protein followed by hybridoma development.
Predicted Reactive Species	Chimpanzee, Hamster
Cross Reactivity	Detects ~550kDa. No cross-reactivity to Bassoon.
Isotype	IgG2a kappa
Form	Liquid (sterile filtered)
Concentration	1.0 mg/mL by UV absorbance at 280 nm

Purification	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.
Suggested Dilutions	ELISA: 1:5000 - 1:50000 IF Microscopy: 1:50-1:100 WB: 1:500-1:1500 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.

Anti-IDO2 Monoclonal Antibody (M06002) Images



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.

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