

For Research Use Only

IDO1 Recombinant antibody

Catalog Number: 84063-1-RR



Basic Information

Catalog Number: 84063-1-RR	GenBank Accession Number: BC027882	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3620	CloneNo.: 241110C8
Source: Rabbit	UNIPROT ID: P14902	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG	Full Name: indoleamine 2,3-dioxygenase 1	
Immunogen Catalog Number: AG3953	Calculated MW: 403 aa, 45 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : IFN gamma treated HeLa cells,
Species Specificity: human	

Background Information

IDO1 is the target for therapy in a range of clinical settings, including cancer, chronic infections, autoimmune and allergic syndromes, and transplantation. Elevated IDO1 expression is a hallmark of major viral infections including HIV, HBV, HCV or influenza and also of major bacteria infections, such as Tb, CAP, listeriosis and sepsis. Pathogens are able to hijack the immunosuppressive effects of IDO1 and make use of them to facilitate their own life cycle. MW of IDO1 is 40-42kd (PMID: 14502282; 17055065).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

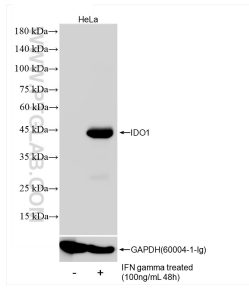
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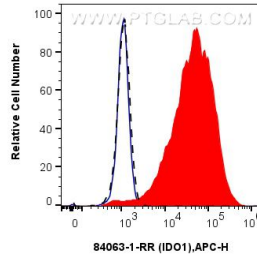
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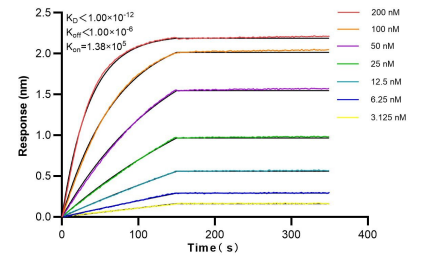
Selected Validation Data



IFN gamma treated HeLa cells were subjected to SDS PAGE followed by western blot with 84063-1-RR (IDO1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



1×10^6 IFN-gamma treated HeLa cells were intracellularly stained with 0.25 μ g Ido1 Recombinant Antibody (84063-1-RR, Clone:241110C8) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 84063-1-RR against Human IDO1 were performed. The affinity constant is below 1 pM.