

For Research Use Only

IDO1 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84063-4-PBS



Basic Information

Catalog Number: 84063-4-PBS	GenBank Accession Number: BC027882	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3620	CloneNo.: 241110F5
Source: Rabbit	UNIPROT ID: P14902	
Isotype: IgG	Full Name: indoleamine 2,3-dioxygenase 1	
Immunogen Catalog Number: AG3953	Calculated MW: 403 aa, 45 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

84063-4-PBS targets IDO1 as part of a matched antibody pair:

MP00982-1: 84063-2-PBS capture and 84063-4-PBS detection (validated in Cytometric bead array)

MP00982-3: 84063-1-PBS capture and 84063-4-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

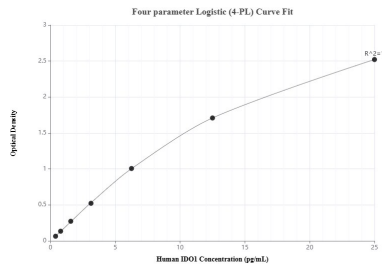
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

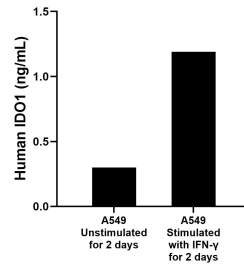
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

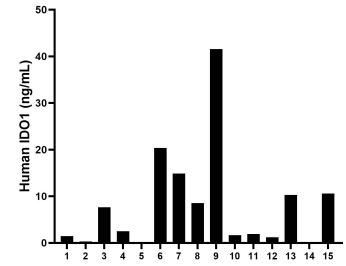
Selected Validation Data



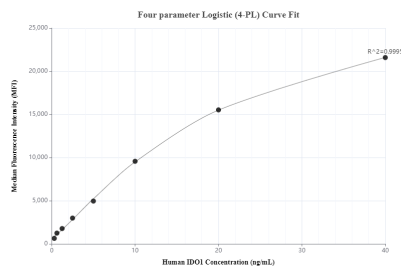
Sandwich ELISA standard curve of MP00982-3, Human IDO1 Recombinant Matched Antibody Pair - PBS only. 84063-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3953. 84063-4-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL



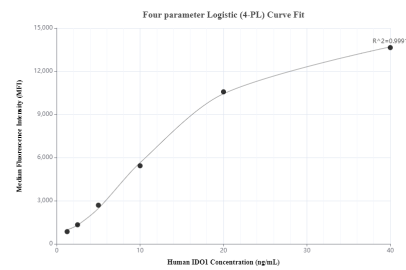
A549 cells were cultured unstimulated or stimulated with 300 µg/mL IFN-gamma for 5 days. The mean IDO1 concentration was determined to be 0.30 ng/mL in unstimulated A549 supernatant, 1.19 ng/mL in IFN-gamma stimulated A549 supernatant.



Serum of fifteen individual healthy human donors was measured. The human IDO1 concentration of detected samples was determined to be 8.21 ng/mL with a range of ND - 41.58 ng/mL (ND = Non-detectable)



Cytometric bead array standard curve of MP00982-1, IDO1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84063-2-PBS. Detection antibody: 84063-4-PBS. Standard: Ag3953. Range: 0.313-40 ng/mL



Cytometric bead array standard curve of MP00982-3, IDO1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84063-1-PBS. Detection antibody: 84063-4-PBS. Standard: Ag3953. Range: 1.25-40 ng/mL