

For Research Use Only

IL-4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83894-1-PBS



Basic Information

Catalog Number: 83894-1-PBS	GenBank Accession Number: BC070123	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3565	CloneNo.: 240794A8
Source: Rabbit	UNIPROT ID: P05112	
Isotype: IgG	Full Name: interleukin 4	
	Calculated MW: 153 aa, 17 kDa	

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83894-1-PBS targets IL-4 as part of a matched antibody pair.

MP00829-1: 83894-1-PBS capture and 83894-4-PBS detection (validated in Cytometric bead array)

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.

Background Information

IL4 is a cytokine produced by CD4+ T cells in response to helminthes and other extracellular parasites. It promotes the proliferation and differentiation of antigen presenting cells. IL4 also plays a pivotal role in antibody isotype switching and stimulates the production of IgE. This cytokine has been applied in the treatment of autoimmune disorder like multiple myeloma, cancer, psoriasis, and arthritis. IL4 has also been extensively applied to inhibit detrimental effect of Th1. It may promote the growth of epithelial tumors by mediating increased proliferation and survival.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

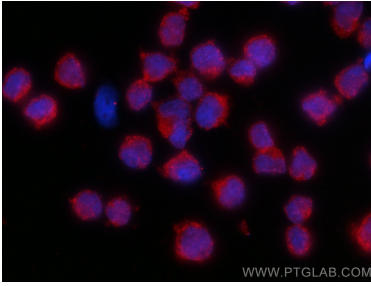
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

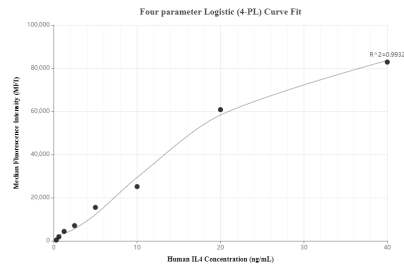
E: proteintech@ptglab.com
W: ptglab.com

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

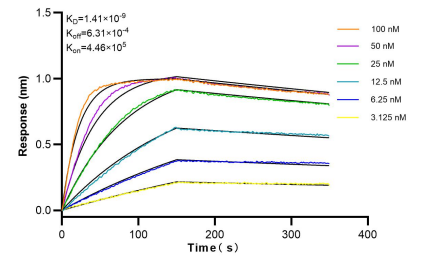
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using IL-4 antibody (83894-1-RR, Clone: 240794A8) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). This data was developed using the same antibody clone with 83894-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00829-1, IL-4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83894-1-PBS. Detection antibody: 83894-4-PBS. Standard: Eg0104. Range: 0.313-40 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 83894-1-RR against Human IL-4 were performed. The affinity constant is 1.41 nM.