

For Research Use Only

IL-4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83894-5-PBS



Basic Information

Catalog Number: 83894-5-PBS	GenBank Accession Number: BC070123	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3565	CloneNo.: 240794H7
Source: Rabbit	UNIPROT ID: P05112	
Isotype: IgG	Full Name: interleukin 4	
	Calculated MW: 153 aa, 17 kDa	

Applications

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

Species Specificity:
human

Product Information

83894-5-PBS targets IL-4 as part of a matched antibody pair:

MP00829-2: 83894-3-PBS capture and 83894-5-PBS detection (validated in Cytometric bead array)

MP00829-3: 83894-2-PBS capture and 83894-5-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

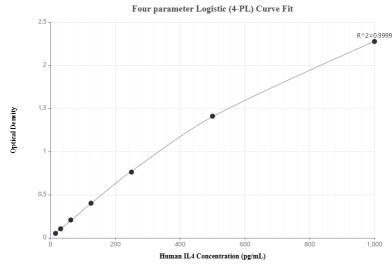
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

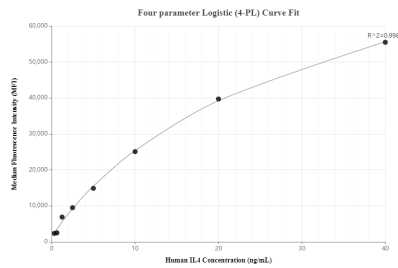
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

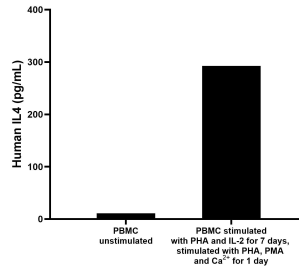
Selected Validation Data



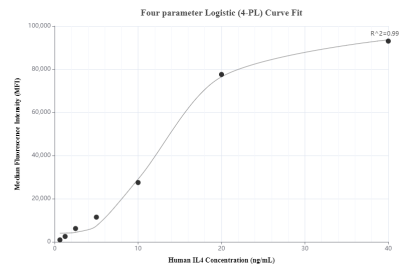
Sandwich ELISA standard curve of MP00829-3, Human IL-4 Recombinant Matched Antibody Pair - PBS only. 83894-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0104. 83894-5-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



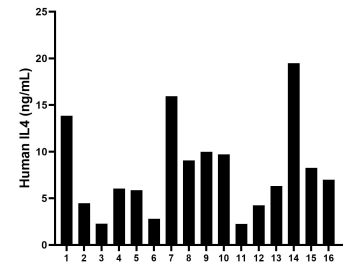
Cytometric bead array standard curve of MP00829-2, IL-4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83894-3-PBS. Detection antibody: 83894-5-PBS. Standard: Eg0104. Range: 0.313-40 ng/mL



Human peripheral blood mononuclear cells (0.5×10^6 cells/mL) were cultured in RPMI supplemented with 10% fetal bovine serum, 5 μ g/mL PHA, and 10 ng/mL recombinant human IL-2. After 7 days of culture, cells were changed into DMEM with 10% fetal bovine serum, 10 ng/mL PMA, 1 μ g/mL Ca²⁺ ionophore, and 5 μ g/mL PHA. Cell culture supernate was collected after 1d of stimulation and measured 292.5 pg/mL in stimulated PBMC supernatant, 11.2 pg/mL in



Cytometric bead array standard curve of MP00829-3, IL-4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83894-2-PBS. Detection antibody: 83894-5-PBS. Standard: Eg0104. Range: 0.625-40 ng/mL



Serum of sixteen individual healthy human donors was measured. The human IL-4 concentration of detected samples was determined to be 7.97 ng/mL with a range of 2.25 - 19.49 ng/mL.