

For Research Use Only

# IL-6 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83747-2-PBS



## Basic Information

<b>Catalog Number:</b> 83747-2-PBS	<b>GenBank Accession Number:</b> BC015511	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3569	<b>CloneNo.:</b> 240670A4
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000136244	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P05231	
	<b>Full Name:</b> interleukin 6 (interferon, beta 2)	
	<b>Calculated MW:</b> 212 aa, 24 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

83747-2-PBS targets IL-6 as part of a matched antibody pair:

MP00687-1: 83747-2-PBS capture and 83747-4-PBS detection (validated in Cytometric bead array)

MP00687-2: 83747-2-PBS capture and 83747-1-PBS detection (validated in Cytometric bead array)

MP00687-3: 83747-2-PBS capture and 83747-3-PBS detection (validated in Cytometric bead array)

MP00687-4: 83747-2-PBS capture and 83747-9-PBS detection (validated in 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

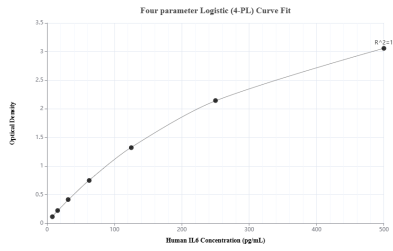
For technical support and original validation data for this product please contact:

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

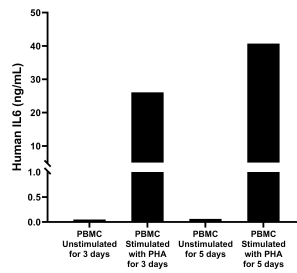
E: proteintech@ptglab.com  
W: ptglab.com

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

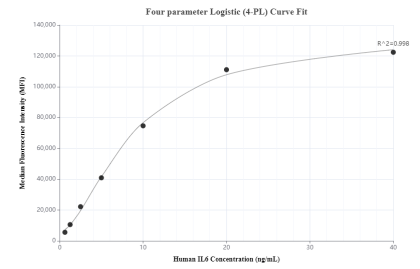
## Selected Validation Data



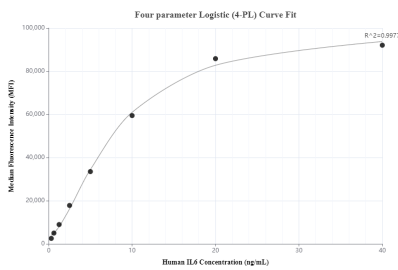
Sandwich ELISA standard curve of MP00687-4, Human IL6 Recombinant Matched Antibody Pair - PBS only. 83747-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0117. 83747-9-PBS was HRP conjugated as the detection antibody. Range: 7.8-500 pg/mL



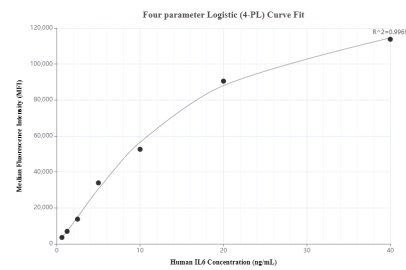
Human peripheral blood mononuclear cells (PBMC) ( $1 \times 10^6$  cells/mL) were cultured in DMEM supplemented with 8% fetal bovine serum, 5  $\mu$ M  $\beta$ -mercaptoethanol, 2 mM L-glutamine, 100 U/mL penicillin, and 100  $\mu$ g/mL streptomycin sulfate. Cells were cultured unstimulated or stimulated with 10  $\mu$ g/mL PHA for 3 days and 5 days. Aliquots of the cell culture supernates were removed and assayed for levels of human IL6.



Cytometric bead array standard curve of MP00687-1, IL-6 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83747-2-PBS. Detection antibody: 83747-4-PBS. Standard: Eg0117. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP00687-2, IL-6 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83747-2-PBS. Detection antibody: 83747-1-PBS. Standard: Eg0117. Range: 0.313-40 ng/mL



Cytometric bead array standard curve of MP00687-3, IL-6 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83747-2-PBS. Detection antibody: 83747-3-PBS. Standard: Eg0117. Range: 0.625-80 ng/mL