

For Research Use Only

# IL17F Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87510-2-PBS



## Basic Information

<b>Catalog Number:</b> 87510-2-PBS	<b>GenBank Accession Number:</b> NM_052872.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 112744	<b>CloneNo.:</b> 252565A11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96PD4	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 17F	
<b>Immunogen Catalog Number:</b> EG2823	<b>Calculated MW:</b> 18 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

87510-2-PBS targets IL17F as part of a matched antibody pair:

MP03108-1: 87510-3-PBS capture and 87510-2-PBS detection (validated in Cytometric bead array)

MP03108-2: 87510-4-PBS capture and 87510-2-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, pH7.3

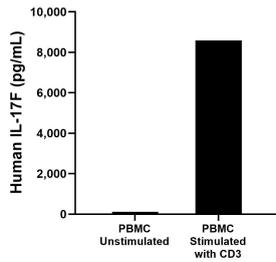
For technical support and original validation data for this product please contact:

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

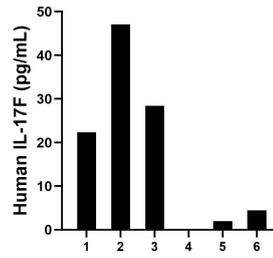
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

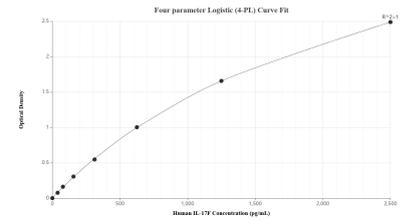
## Selected Validation Data



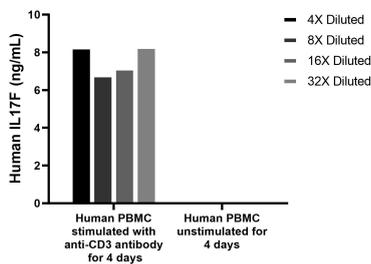
Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 1 µg/mL CD3 for 4 days. The mean IL-17F concentration was determined to be 116.4 pg/mL in unstimulated PBMC supernatant, 8,590.8 pg/mL in stimulated PBMC supernatant.



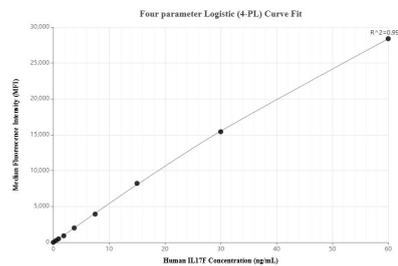
Plasma of six individual healthy human donors was measured. The IL-17F concentration of detected samples was determined to be 17.4 pg/mL with a range of ND-47.1 pg/mL.



Sandwich ELISA standard curve of MP03108-2, Human IL-17F Recombinant Matched Antibody Pair - PBS only. 87510-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2823. 87510-2-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



Human PBMC (1 x 10<sup>6</sup> cells/mL) were cultured in DMEM supplemented with 8% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. Cells were cultured unstimulated or stimulated with 100ng/mL anti-CD3 antibody for 4 days. Aliquots of the cell culture supernates were removed and assayed for levels of IL-17F, and measured 7.6 ng/mL.



Cytometric bead array standard curve of MP03108-1, IL-17F Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87510-3-PBS. Detection antibody: 87510-2-PBS. Standard: Eg2823. Range: 0.469-60 ng/mL.