

For Research Use Only

# IL-3 Recombinant antibody, PBS Only (Detector)



Catalog Number: 83544-1-PBS

## Basic Information

<b>Catalog Number:</b> 83544-1-PBS	<b>GenBank Accession Number:</b> NM_000588.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3562	<b>CloneNo.:</b> 240417A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P08700	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 3 (colony-stimulating factor, multiple)	
	<b>Calculated MW:</b> 17 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

83544-1-PBS targets IL-3 as part of a matched antibody pair:

MP00526-1: 83544-1-PBS capture and 83544-4-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

MP00526-4: 83544-4-PBS capture and 83544-1-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

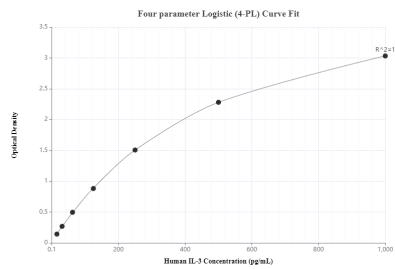
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

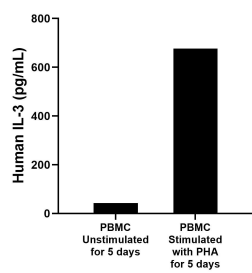
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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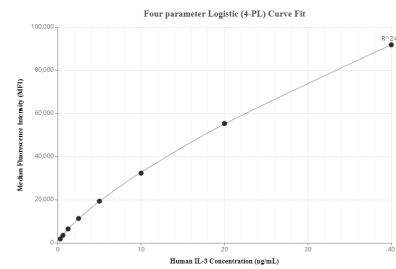
## Selected Validation Data



Sandwich ELISA standard curve of MP00526-1, IL-3 Recombinant Matched Antibody Pair - PBS only. 83544-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0829.83544-4-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 5 days. The mean IL-3 concentration was determined to be 43.17 pg/mL in unstimulated PBMC supernatant, 676.99 pg/mL in PHA stimulated PBMC supernatant.



Cytometric bead array standard curve of MP00526-1, IL-3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83544-1-PBS. Detection antibody: 83544-4-PBS. Standard: Eg0829. Range: 0.313-40 ng/mL