

For Research Use Only

# IL-7Ra/CD127 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83723-3-PBS



## Basic Information

<b>Catalog Number:</b> 83723-3-PBS	<b>GenBank Accession Number:</b> AAC83204.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3575	<b>CloneNo.:</b> 240749C2
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000168685	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P16871-1(I66T, V138I)	
	<b>Full Name:</b> interleukin 7 receptor	
	<b>Calculated MW:</b> 52 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

83723-3-PBS targets IL-7Ra/CD127 as part of a matched antibody pair:

MP00704-2: 83723-3-PBS capture and 83723-1-PBS detection (validated in Cytometric bead array)

MP00704-3: 83723-3-PBS capture and 83723-2-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

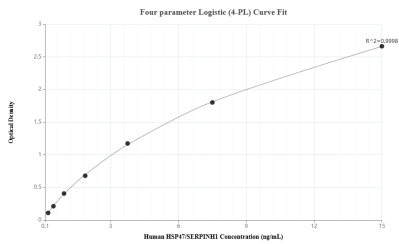
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

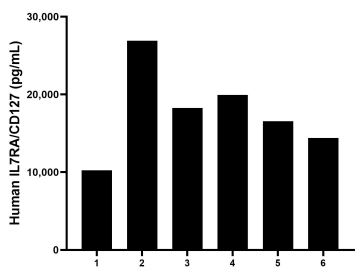
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

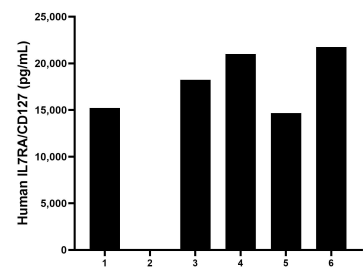
Selected Validation Data



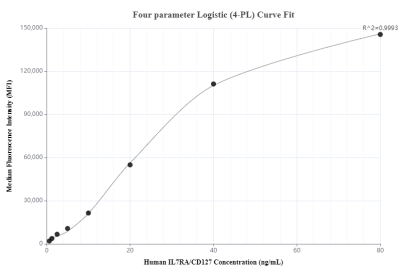
Sandwich ELISA standard curve of MP00704-3, Human IL-7Ra/CD127 Recombinant Matched Antibody Pair - PBS only. 83723-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1279. 83723-2-PBS was HRP conjugated as the detection antibody. Range: 19.5-1250 pg/mL



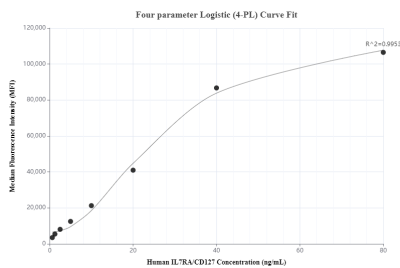
Plasma of six humans was measured. The human IL-7Ra/CD127 concentration of detected samples was determined to be 17,709.98 pg/mL with a range of 10,229.95 - 26,911.57 pg/mL



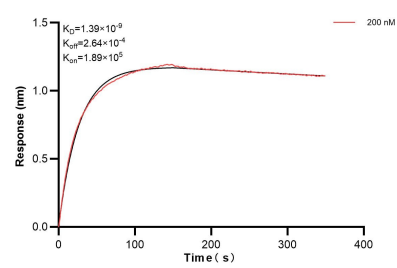
Serum of six humans was measured. The human IL-7Ra/CD127 concentration of detected samples was determined to be 18,168.16 pg/mL with a range of 14,661.52 - 21,740.24 pg/mL



Cytometric bead array standard curve of MP00704-2, IL-7Ra/CD127 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83723-3-PBS. Detection antibody: 83723-1-PBS. Standard: Eg1279. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP00704-3, IL-7Ra/CD127 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83723-3-PBS. Detection antibody: 83723-2-PBS. Standard: Eg1279. Range: 0.625-80 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 83723-3-PBS against Human IL-7Ra/CD127 was performed. The affinity constant is 1.39 nM.