

For Research Use Only

# CD99 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84580-3-PBS



## Basic Information

<b>Catalog Number:</b> 84580-3-PBS	<b>GenBank Accession Number:</b> BC021620	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4267	<b>CloneNo.:</b> 241736A10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P14209	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD99 molecule	
	<b>Calculated MW:</b> 19 kDa, 16 kDa, 17 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

84580-3-PBS targets CD99 as part of a matched antibody pair:

MP01403-3: 84580-3-PBS capture and 84580-1-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

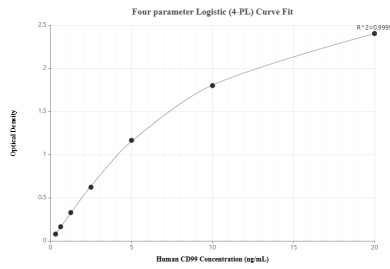
For technical support and original validation data for this product please contact:

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

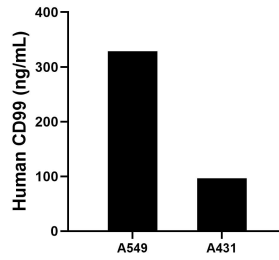
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

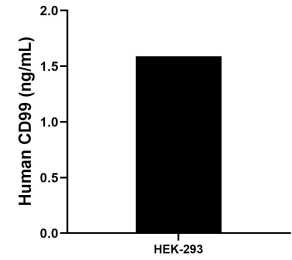
## Selected Validation Data



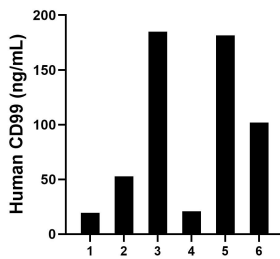
Sandwich ELISA standard curve of MP01403-3, Human CD99 Recombinant Matched Antibody Pair - PBS only. 84580-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard RP02321. 84580-1-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



The mean CD99 concentration was determined to be 328.33 ng/mL in A549 cell extract based on a 2.5 mg/mL extract load and 96.35 ng/mL in A431 cell extract based on a 1.3 mg/mL extract load.



HEK-293 cells were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human CD99, and measured 1.59 ng/mL.



Urine of six individual healthy human donors was measured. The human CD99 concentration of detected samples was determined to be 93.60 ng/mL with a range of 19.59 - 184.77 ng/mL.