

For Research Use Only

CD99 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84580-1-PBS



Basic Information

Catalog Number: 84580-1-PBS	GenBank Accession Number: BC021620	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4267	CloneNo.: 241736H8
Source: Rabbit	UNIPROT ID: P14209	
Isotype: IgG	Full Name: CD99 molecule	
	Calculated MW: 19 kDa, 16 kDa, 17 kDa	

Applications

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

Species Specificity:
human

Product Information

84580-1-PBS targets CD99 as part of a matched antibody pair:

MP01403-1: 98174-1-PBS capture and 84580-1-PBS detection (validated in Cytometric bead array)

MP01403-2: 84580-2-PBS capture and 84580-1-PBS detection (validated in Cytometric bead array)

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

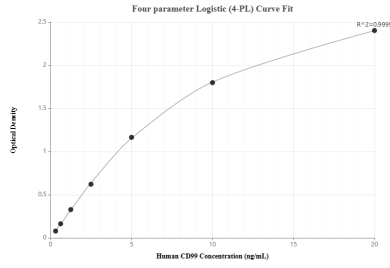
For technical support and original validation data for this product please contact:

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

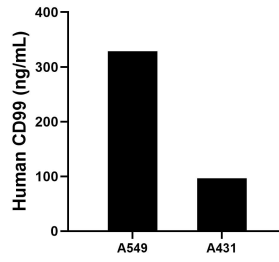
E: proteintech@ptglab.com
W: ptglab.com

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

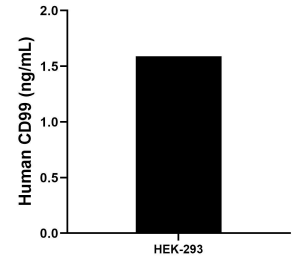
Selected Validation Data



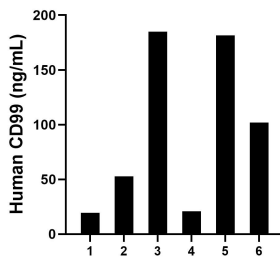
Sandwich ELISA standard curve of MP01403-3, Human CD99 Recombinant Matched Antibody Pair - PBS only. 84580-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard RP02321. 84580-1-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



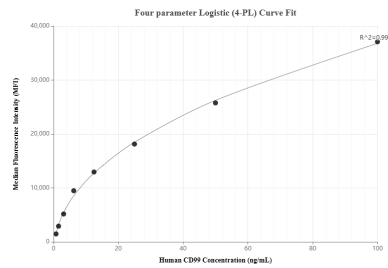
The mean CD99 concentration was determined to be 328.33 ng/mL in A549 cell extract based on a 2.5 mg/mL extract load and 96.35 ng/mL in A431 cell extract based on a 1.3 mg/mL extract load.



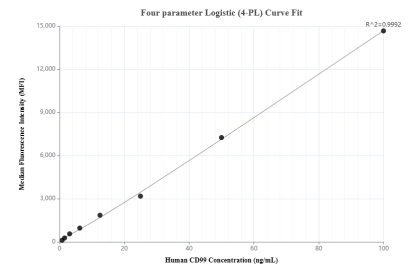
HEK-293 cells were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernatant was removed, assayed for human CD99, and measured 1.59 ng/mL.



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.



Cytometric bead array standard curve of MP01403-1, CD99 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 98174-1-PBS. Detection antibody: 84580-1-PBS. Standard: RP02321. Range: 0.781-100 ng/mL.



Cytometric bead array standard curve of MP01403-2, CD99 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84580-2-PBS. Detection antibody: 84580-1-PBS. Standard: RP02321. Range: 0.781-100 ng/mL.