

CD99 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01403-3**

Capture Antibody Information

Catalog Number:

84580-3-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

241736A10

Reactivity:

human

GenBank:

BC021620

Conjugate:

Unconjugated

Full name:

CD99 molecule

Gene ID:

4267

Detection Antibody Information

Catalog Number:

84580-1-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

241736H8

Reactivity:

human

GenBank:

BC021620

Conjugate:

Unconjugated

Full name:

CD99 molecule

Gene ID:

4267

Applications

Tested Applications:

Sandwich ELISA

Range:

0.313-20 ng/mL (Sandwich ELISA)

Recommended Dilutions:

It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP01403-3 targets CD99 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: CD99 Recombinant antibody, PBS Only (Capture) 84580-3-PBS (241736A10). 100 µg. Concentration 1 mg/mL.

Detection antibody: CD99 Recombinant antibody, PBS Only (Detector) 84580-1-PBS (241736H8). 100 µg. Concentration 1 mg/mL.

Alternative CD99 matched antibody pairs: MP01403-1, MP01403-2

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

Storage

Storage:

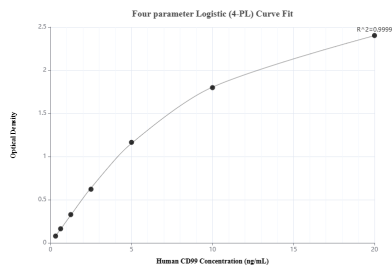
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

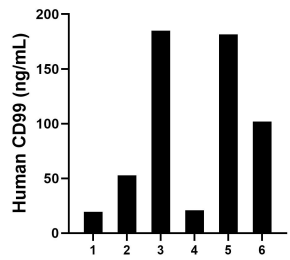
Storage buffer:

PBS only

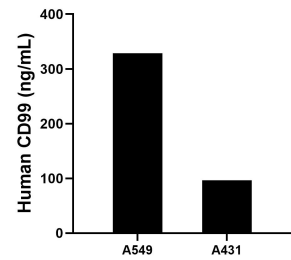
Selected Validation Data



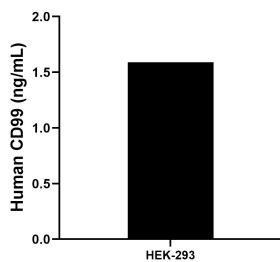
Sandwich ELISA standard curve of MP01403-3, Humam CD99 Recombinant Matched Antibody Pair - PBS only. 84580-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard RP02321. 84580-1-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



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.



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 μ g/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human CD99, and measured 1.59 ng/mL.