

CD73 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02481-1**

Capture Antibody Information

Catalog Number:

86512-2-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

251250C6

Reactivity:

human

Immunogen Catalog Number:

Eg2974

Conjugate:

Unconjugated

Full name:

5'-nucleotidase, ecto (CD73)

Gene ID:

4907

Detection Antibody Information

Catalog Number:

86512-1-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

251250E3

Reactivity:

human

GenBank:

NM_002526.3

Immunogen Catalog Number:

Eg2974

Conjugate:

Unconjugated

Full name:

5'-nucleotidase, ecto (CD73)

Gene ID:

4907

Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA

Range:

0.781-100 ng/mL (Cytometric Bead Array)
0.156-10 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

MP02481-1 targets CD73 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: NT5E Recombinant monoclonal antibody, PBS Only (Capture) 86512-2-PBS (251250C6). 100 µg. Concentration 1 mg/mL.

Detection antibody: NT5E Recombinant monoclonal antibody, PBS Only (Detector) 86512-1-PBS (251250E3). 100 µg. Concentration 1 mg/mL.

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.

Storage buffer:

PBS only

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

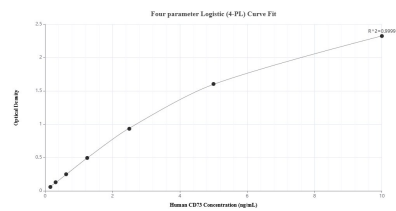
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

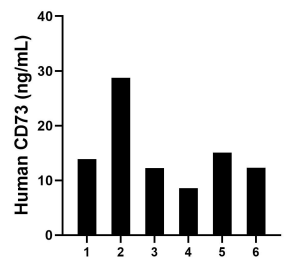
W: ptglab.com

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

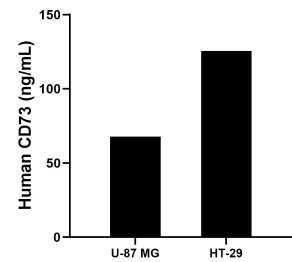
Selected Validation Data



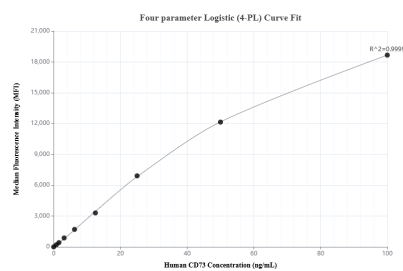
Sandwich ELISA standard curve of MP02481-1, Human CD73 Recombinant Matched Antibody Pair - PBS only. 86512-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2974. 86512-1-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



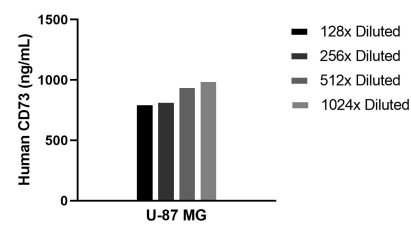
Plasma of six individual healthy human donors was measured. The human CD73 concentration of detected samples was determined to be 15.14 ng/mL with a range of 8.55 - 28.73 ng/mL.



The mean CD73 concentration was determined to be 67.84 ng/mL in U-87 MG cell extract based on a 1.5 mg/mL extract load and 125.52 ng/mL in PC-3 cell extract based on a 1.1 mg/mL extract load.



Cytometric bead array standard curve of MP02481-1, CD73 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86512-2-PBS. Detection antibody: 86512-1-PBS. Standard: Eg2974. Range: 0.781-100 ng/mL.



The mean CD73 concentration was determined to be 895.3 ng/mL in U-87 MG cell extract based on a 1.5 mg/mL extract load.