

For Research Use Only

NT5E Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86512-1-PBS



Basic Information

| | | |
|---|---|---|
| Catalog Number: 86512-1-PBS | GenBank Accession Number: NM_002526.3 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 4907 | CloneNo.: 251250E3 |
| Source: Rabbit | UNIPROT ID: P21589-1 | |
| Isotype: IgG | Full Name: 5'-nucleotidase, ecto (CD73) | |
| Immunogen Catalog Number: EG2974 | Calculated MW: 63 kDa | |

Applications

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

Species Specificity:
human

Product Information

86512-1-PBS targets NT5E as part of a matched antibody pair:

MP02481-1: 86512-2-PBS capture and 86512-1-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

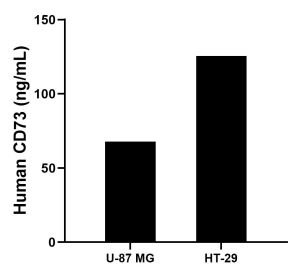
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

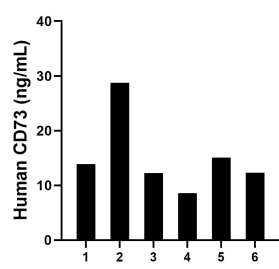
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

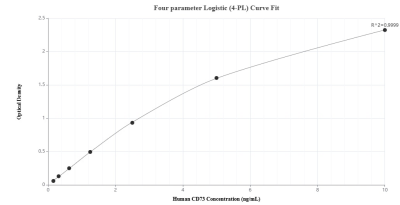
Selected Validation Data



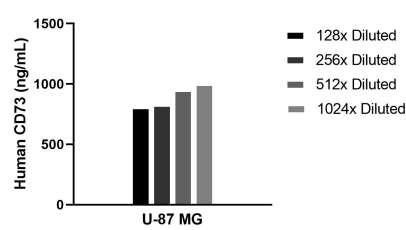
The mean CD73 concentration was determined to be 67.84 ng/mL in U-87 MG cell extract based on a 1.5 mg/mL extract load and 125.52 ng/mL in PC-3 cell extract based on a 1.1 mg/mL extract load.



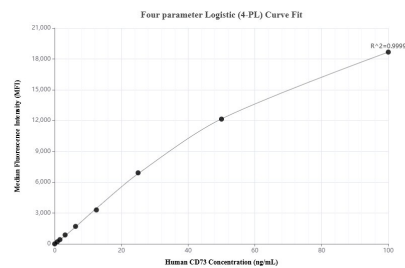
Plasma of six individual healthy human donors was measured. The human CD73 concentration of detected samples was determined to be 15.14 ng/mL with a range of 8.55 - 28.73 ng/mL.



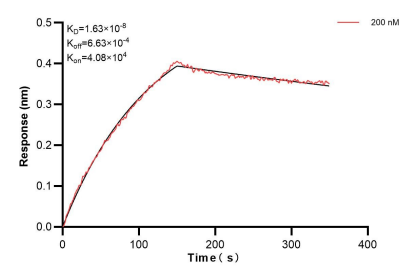
Sandwich ELISA standard curve of MP02481-1, Human CD73 Recombinant Matched Antibody Pair - PBS only. 86512-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2974. 86512-1-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



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.



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



Bi-layer interferometry (BLI) kinetic assay of 86512-1-PBS against Human NT5E was performed. The affinity constant is 1.63 nM.