

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                  |
| Size:                     | 100ug, Concentration: 1 mg/ml by Nanodrop; | GenID (NCBI):             | 4907                         |
| 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:

MPO2481-1: 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

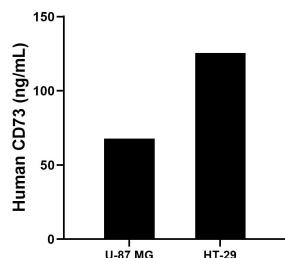
Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

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)

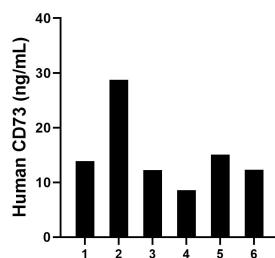
E: proteintech@ptglab.com  
W: ptglab.com

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

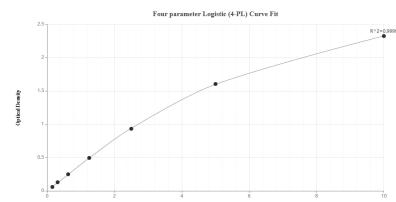
## Selected Validation Data



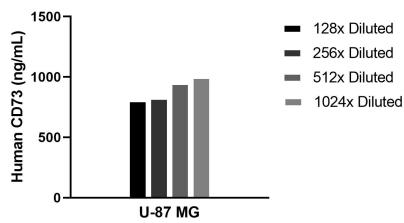
The mean CD73 concentration was determined to be 67.84 ng/mL in U-87 MG cell extract based on a 1.5 mg/mL extract load and 125.52 ng/mL in PC-3 cell extract based on a 1.1 mg/mL extract load.



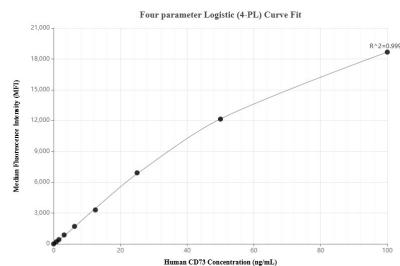
Plasma of six individual healthy human donors was measured. The human CD73 concentration of detected samples was determined to be 15.14 ng/mL with a range of 8.55 - 28.73 ng/mL.



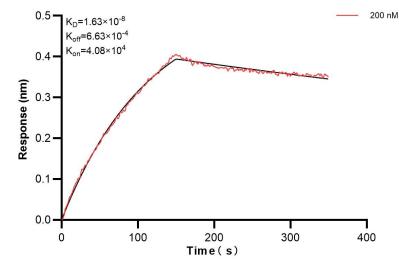
Sandwich ELISA standard curve of MP02481-1, Human CD73 Recombinant Matched Antibody Pair - PBS only. 86512-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2974. 86512-1-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



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



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