

For Research Use Only

NT5E Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86512-5-PBS



Basic Information

Catalog Number:	86512-5-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:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

86512-5-PBS targets NT5E as part of a matched antibody pair:

MPO2481-2: 86512-5-PBS capture and 86512-3-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

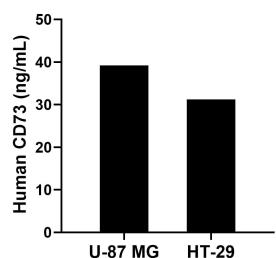
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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)

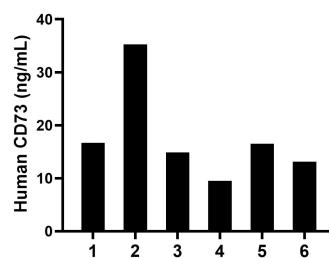
E: proteintech@ptglab.com
W: ptglab.com

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

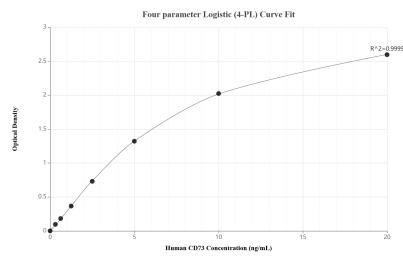
Selected Validation Data



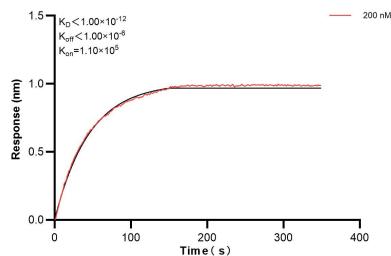
The mean CD73 concentration was determined to be 39.19 ng/mL in U-87 MG cell extract based on a 1.50 mg/mL extract load and 31.20 ng/mL in HT-29 cell extract based on a 1.10 mg/mL extract load.



Plasma of six individual healthy human donors was measured. The CD73 concentration of detected samples was determined to be 17.66 ng/mL with a range of 9.53-35.23 ng/mL.



Sandwich ELISA standard curve of MP02481-2, Human CD73 Recombinant Matched Antibody Pair - PBS only. 86512-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2974. 86512-3-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 86512-5-PBS against Human NT5E were performed. The affinity constant is below 1 pM.