

For Research Use Only

nectin 4 Recombinant antibody, PBS Only (Detector)

Catalog Number:83223-7-PBS



Basic Information

Catalog Number: 83223-7-PBS	GenBank Accession Number: BC010423	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 81607	CloneNo.: 240009B8
Source: Rabbit	UNIPROT ID: Q96NY8	
Isotype: IgG	Full Name: poliovirus receptor-related 4	
	Calculated MW: 510 aa, 55 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

83223-7-PBS targets nectin 4 as part of a matched antibody pair:

MP00147-4: 83223-1-PBS capture and 83223-7-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

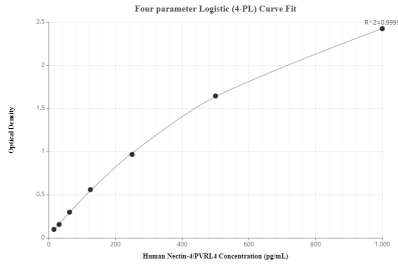
For technical support and original validation data for this product please contact:

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

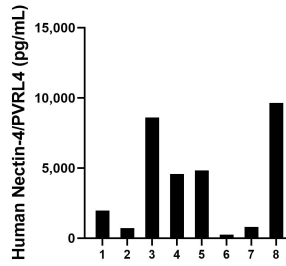
E: proteintech@ptglab.com
W: ptglab.com

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

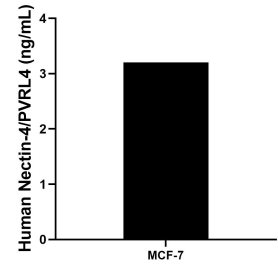
Selected Validation Data



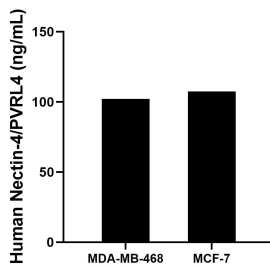
Sandwich ELISA standard curve of MP00147-4, Human Nectin-4/PVRL4 Recombinant Matched Antibody Pair - PBS only. 83223-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard EgO415. 83223-7-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/ml.



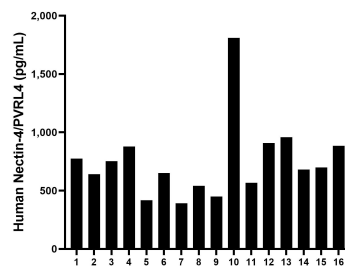
Urine of eight individual healthy human donors was measured. The Nectin-4/PVRL4 concentration of detected samples was determined to be 3,920.62 pg/mL with a range of 249.12 - 9,633.39 pg/mL.



MCF-7 human breast cancer cells (5×10^6 cells/mL) were cultured in DMEM and 10% fetal bovine serum, 4 mM L-glutamine, 4500 mg/L glucose, 100 U/mL penicillin, and 100 μ g/mL streptomycin sulfate. 1×10^6 cells/mL were lysated by RIPA buffer, and the supernate was assayed and measured 3.2 ng/mL.



The mean Nectin-4/PVRL4 concentration was determined to be 102.1 ng/mL in MDA-MB-468 cell extract based on a 3.1 mg/mL extract load and 107.4 ng/mL in MCF-7 cell extract based on a 4.2 mg/mL extract load.



Serum of sixteen individual healthy human donors was measured. The Nectin-4/PVRL4 concentration of detected samples was determined to be 750.17 pg/mL with a range of 392.48 - 1,810.23 pg/mL.