

For Research Use Only

# Nectin-4/PVRL4 Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP00147-4

## Capture Antibody Information

Catalog Number:  
83223-1-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
240009E4

Reactivity:  
human

GenBank:  
BC010423

Conjugate:  
Unconjugated

Full name:  
poliovirus receptor-related 4

Gene ID:  
81607

Affinity:  
 $K_D = 8.49 \times 10^{-10}$   
 $K_{off} = 2.20 \times 10^{-4}$   
 $K_{on} = 2.59 \times 10^5$

## Detection Antibody Information

Catalog Number:  
83223-7-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
240009B8

Reactivity:  
human

GenBank:  
BC010423

Conjugate:  
Unconjugated

Full name:  
poliovirus receptor-related 4

Gene ID:  
81607

## Applications

Tested Applications:  
Sandwich ELISA

Range:  
15.6-1000 pg/ml (Sandwich ELISA)

Recommended Dilutions:  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP00147-4 targets Nectin-4/PVRL4 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: nectin 4 Recombinant antibody, PBS Only (Capture) 83223-1-PBS (240009E4). 100  $\mu$ g. Concentration 1 mg/ml.

Detection antibody: nectin 4 Recombinant antibody, PBS Only (Detector) 83223-7-PBS (240009B8). 100  $\mu$ g. 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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:  
PBS only

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

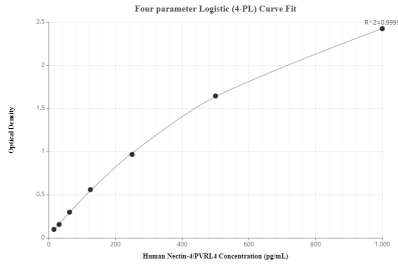
T: 4006900926

E: Proteintech-CN@ptglab.com

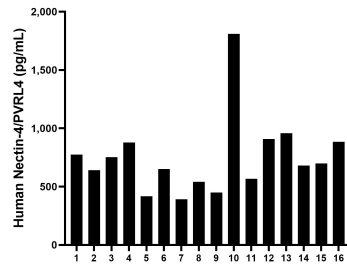
W: ptgcn.com

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

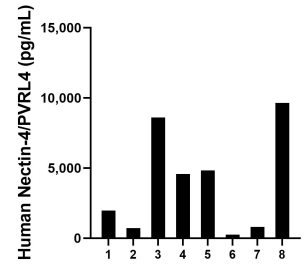
## Selected Validation Data



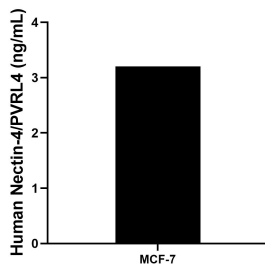
Sandwich ELISA standard curve of MP00147-4, Human Nectin-4/PVRL4 Recombinant Matched Antibody Pair - PBS only. 83223-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0415. 83223-7-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/ml.



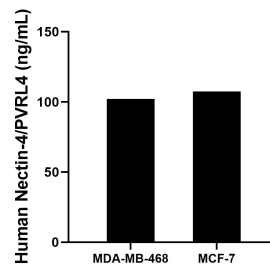
Serum of sixteen individual healthy human donors was measured. The Nectin-4/PVRL4 concentration of detected samples was determined to be 750.17 pg/mL with a range of 392.48 - 1,810.23 pg/mL.



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 ( $5 \times 10^6$  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  $\mu$ g/mL streptomycin sulfate.  $1 \times 10^6$  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.