

For Research Use Only

# nectin 4 Recombinant antibody, PBS Only (Detector)

Catalog Number:83223-7-PBS



## Basic Information

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

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Background Information

### 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:

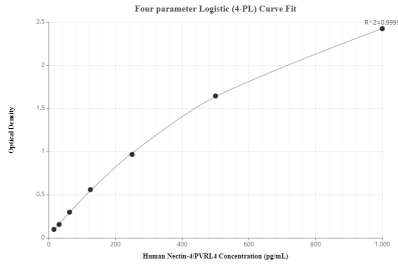
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

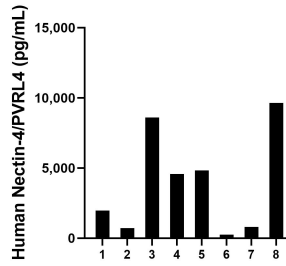
W: [ptgcn.com](http://ptgcn.com)

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

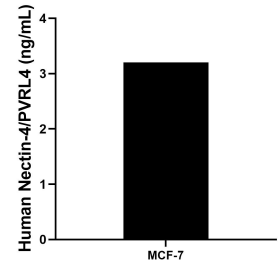
## Selected Validation Data



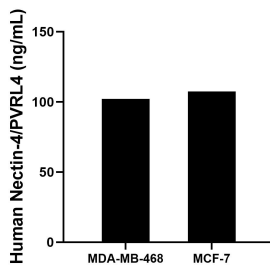
Sandwich ELISA standard curve of MP00147-4, Human Nectin-4/PVRL4 Recombinant Matched Antibody Pair - PBS only. 83223-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard EgO415. 83223-7-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/ml.



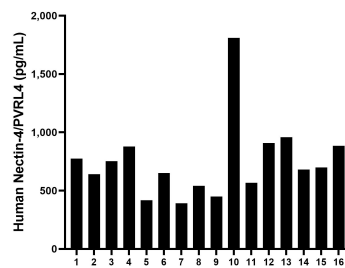
Urine of eight individual healthy human donors was measured. The Nectin-4/PVRL4 concentration of detected samples was determined to be 3,920.62 pg/mL with a range of 249.12 - 9,633.39 pg/mL.



MCF-7 human breast cancer cells ( $5 \times 10^6$  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.



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.