

For Research Use Only

# TRPV4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84091-5-PBS



## Basic Information

<b>Catalog Number:</b> 84091-5-PBS	<b>GenBank Accession Number:</b> NM_001177428.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 59341	<b>CloneNo.:</b> 241143C9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HBA0	
<b>Isotype:</b> IgG	<b>Full Name:</b> transient receptor potential cation channel, subfamily V, member 4	
<b>Immunogen Catalog Number:</b> AG27253	<b>Calculated MW:</b> 98 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

84091-5-PBS targets TRPV4 as part of a matched antibody pair:

MP01010-3: 84091-3-PBS capture and 84091-5-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.

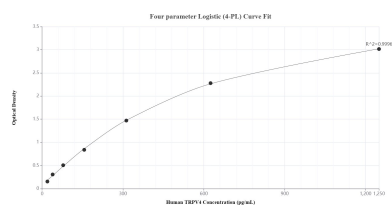
## Storage

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

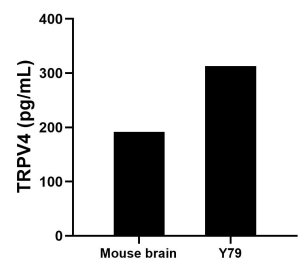
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Sandwich ELISA standard curve of MP01010-3, Human TRPV4 Recombinant Matched Antibody Pair - PBS only. 84091-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag27253. 84091-5-PBS was HRP conjugated as the detection antibody. Range: 19.5-1250 pg/mL.



The mean TRPV4 concentration was determined to be 191.6 pg/mL in mouse brain tissue extract based on a 4.6 mg/mL extract load and 312.9 pg/mL in Y79 cell extract based on a 9.5 mg/mL extract load.