

For Research Use Only



# TRPV4 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP01010-3

## Capture Antibody Information

**Catalog Number:**  
84091-3-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
241143D9  
**Reactivity:**  
human  
**Immunogen Catalog Number:**  
Ag27253

**Conjugate:**  
Unconjugated  
**Full name:**  
transient receptor potential cation channel, subfamily V, member 4  
**Gene ID:**  
59341

## Detection Antibody Information

**Catalog Number:**  
84091-5-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
241143C9  
**Reactivity:**  
human  
**GenBank:**  
NM\_001177428.1  
**Immunogen Catalog Number:**  
Ag27253

**Conjugate:**  
Unconjugated  
**Full name:**  
transient receptor potential cation channel, subfamily V, member 4  
**Gene ID:**  
59341

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
19.5-1250 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

MP01010-3 targets TRPV4 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: TRPV4 Recombinant antibody, PBS Only (Capture) 84091-3-PBS (241143D9). 100 µg. Concentration 1 mg/ml.

Detection antibody: TRPV4 Recombinant antibody, PBS Only (Detector) 84091-5-PBS (241143C9). 100 µg. Concentration 1 mg/ml.

Alternative TRPV4 matched antibody pairs: MP01010-1, MP01010-2

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.  
**Storage buffer:**  
PBS only

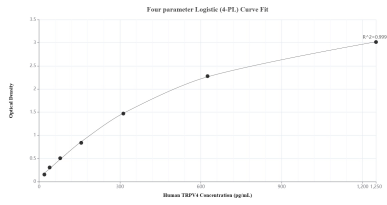
For technical support and original validation data for this product please contact:

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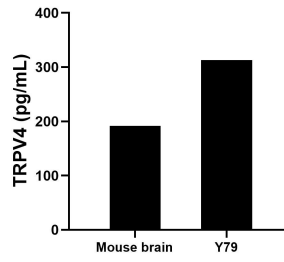
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## Selected Validation Data



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 cell 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.