

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
GenBank:
NM_001177428.1
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.

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.

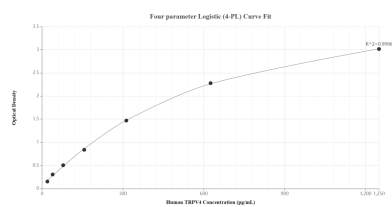
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

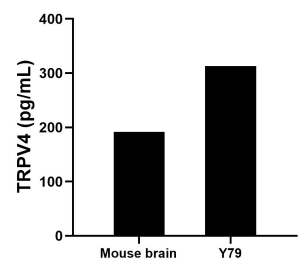
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

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.