

For Research Use Only

TRPV4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84091-3-PBS



Basic Information

Catalog Number: 84091-3-PBS	GenBank Accession Number: NM_001177428.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 59341	CloneNo.: 241143D9
Source: Rabbit	UNIPROT ID: Q9HBA0	
Isotype: IgG	Full Name: transient receptor potential cation channel, subfamily V, member 4	
Immunogen Catalog Number: AG27253	Calculated MW: 98 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

84091-3-PBS targets TRPV4 as part of a matched antibody pair:

MP01010-2: 84091-3-PBS capture and 84091-2-PBS detection (validated in Cytometric bead array)

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.

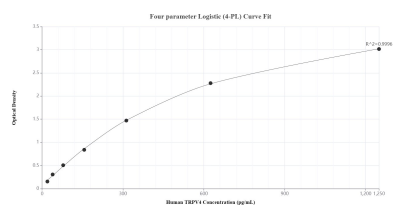
Storage

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

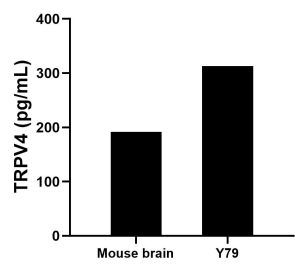
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

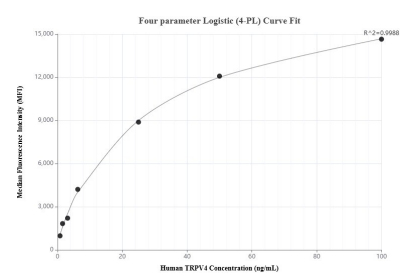
Selected Validation Data



Sandwich ELISA standard curve of 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.



Cytometric bead array standard curve of MP01010-2, TRPV4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84091-3-PBS. Detection antibody: 84091-2-PBS. Standard: Ag27253. Range: 0.781-100 ng/mL