

For Research Use Only

SCAMP5 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85669-2-PBS



Basic Information

Catalog Number: 85669-2-PBS	GenBank Accession Number: BC024700	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 192683	CloneNo.: 243122F5
Source: Rabbit	UNIPROT ID: Q8TAC9	
Isotype: IgG	Full Name: secretory carrier membrane protein 5	
Immunogen Catalog Number: AG31837	Calculated MW: 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

85669-2-PBS targets SCAMP5 as part of a matched antibody pair:

MP02041-2: 85669-2-PBS capture and 85669-1-PBS detection (validated in Cytometric bead array)

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.

Background Information

Secretory carrier-associated membrane protein 5 (SCAMP5) belongs to the SCAMP family. Secretory carrier membrane proteins (SCAMPs) constitute a group of membrane transport proteins in plants, insects and mammals. The mammalian genome contains five types of SCAMP genes, namely, SCAMP1-SCAMP5. (PMID:36217917, PMID:19234194). SCAMPs participate in the vesicle cycling fusion of vesicles and cell membranes and play roles in regulating exocytosis and endocytosis, activating synaptic function and transmitting nerve signals. Among these proteins, SCAMP5 is highly expressed in the brain and has direct or indirect effects on the function of the central nervous system (PMID:36217917). SCAMP5 regulates membrane transport, controls the exocytosis of synaptic vesicles and is related to secretion carrier and membrane function. In addition, SCAMP5 plays a major role in the normal maintenance of the physiological functions of nerve cells (PMID:36217917, PMID:33663553). For optimal WB detection of this membrane protein, we recommend to avoid boiling the sample after lysis.

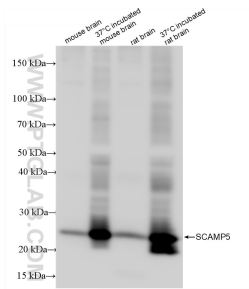
Storage

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

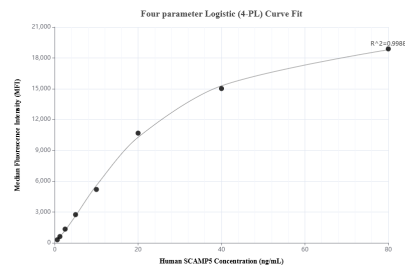
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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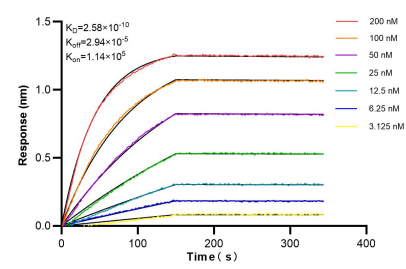
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85669-2-RR (SCAMP5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85669-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP02041-2, SCAMP5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85669-2-PBS. Detection antibody: 85669-1-PBS. Standard: Ag31837. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 85669-2-RR against Human SCAMP5 were performed. The affinity constant is 0.258 nM.