

For Research Use Only

ROBO4 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88139-4-PBS



Basic Information

Catalog Number: 88139-4-PBS	GenBank Accession Number: NM_019055.6	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 54538	CloneNo.: 260378H1
Source: Rabbit	UNIPROT ID: Q8WZ75-1	
Isotype: IgG	Full Name: roundabout homolog 4, magic roundabout (Drosophila)	
Immunogen Catalog Number: EG7821	Calculated MW: 107 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

88139-4-PBS targets ROBO4 as part of a matched antibody pair:

MP03363-2: 88139-4-PBS capture and 88139-2-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.

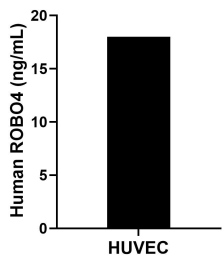
Storage

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

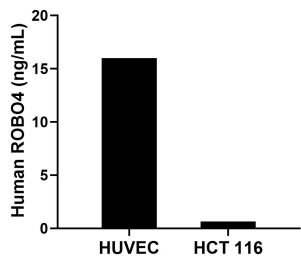
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

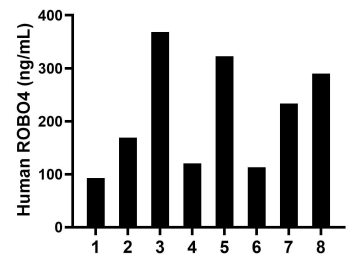
Selected Validation Data



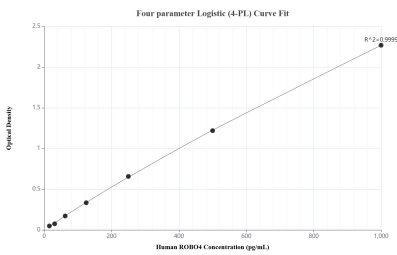
HUVEC were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human ROBO4, and measured 18.0 ng/mL.



The mean ROBO4 concentration was determined to be 16.0 ng/mL in HUVEC cell extract based on a 1.5 mg/mL extract load and 0.7 ng/mL in HCT 116 cell extract based on a 1.2 mg/mL extract load.



Plasma of eight individual healthy human donors was measured. The ROBO4 concentration of detected samples was determined to be 213.8 ng/mL with a range of 93.1-368.5 ng/mL.



Sandwich ELISA standard curve of MP03363-2, Human ROBO4 Recombinant Matched Antibody Pair - PBS only. 88139-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg7821. 88139-2-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL.