

ROBO4 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03363-2**

Capture Antibody Information

Catalog Number:
88139-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
260378H1
Reactivity:
human
GenBank:
NM_019055.6
Immunogen Catalog Number:
Eg7821

Conjugate:
Unconjugated
Full name:
roundabout homolog 4, magic roundabout (Drosophila)
Gene ID:
54538

Detection Antibody Information

Catalog Number:
88139-2-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
260378E9
Reactivity:
human
GenBank:
NM_019055.6
Immunogen Catalog Number:
Eg7821

Conjugate:
Unconjugated
Full name:
roundabout homolog 4, magic roundabout (Drosophila)
Gene ID:
54538

Applications

Tested Applications:
Sandwich ELISA

Range:
15.6-1000 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

MP03363-2 targets ROBO4 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: ROBO4 Recombinant monoclonal antibody, PBS Only (Capture) 88139-4-PBS (260378H1). 100 µg. Concentration 1 mg/mL.

Detection antibody: ROBO4 Recombinant monoclonal antibody, PBS Only (Detector) 88139-2-PBS (260378E9). 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.

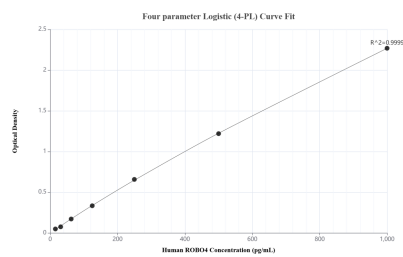
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

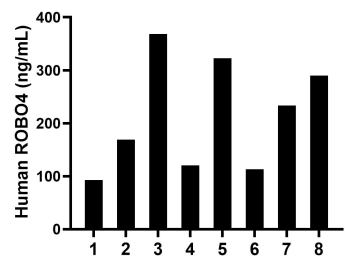
Storage

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

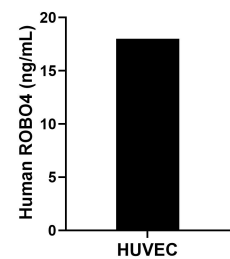
Selected Validation Data



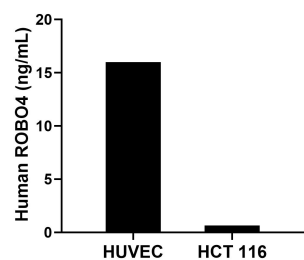
Sandwich ELISA standard curve of MP03363-2, Human ROBO4 Recombinant Matched Antibody Pair - PBS only. 88139-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg7821. 88139-2-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



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



HUVEC were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 μ g/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.