

VE-cadherin/CD144 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00752-3**

Capture Antibody Information

Catalog Number:
83766-1-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
240755A6

Reactivity:
human

GenBank:
NM_001795.5

Conjugate:
Unconjugated

Full name:
cadherin 5, type 2 (vascular endothelium)

Gene ID:
1003

Detection Antibody Information

Catalog Number:
83766-4-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
240755F1

Reactivity:
human

GenBank:
NM_001795.5

Conjugate:
Unconjugated

Full name:
cadherin 5, type 2 (vascular endothelium)

Gene ID:
1003

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.78-100 ng/mL (Cytometric Bead Array)
0.78-50 ng/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP00752-3 targets VE-cadherin/CD144 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: VE-cadherin/CD144 Recombinant antibody, PBS Only (Capture) 83766-1-PBS (240755A6). 100 µg. Concentration 1 mg/mL.

Detection antibody: VE-cadherin/CD144 Recombinant antibody, PBS Only (Detector) 83766-4-PBS (240755F1). 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.

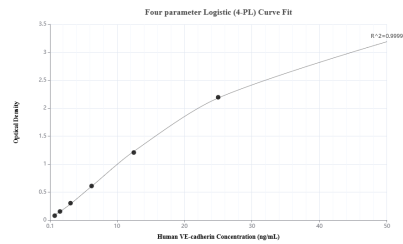
Antibody use should be optimized for each application and assay.

Storage

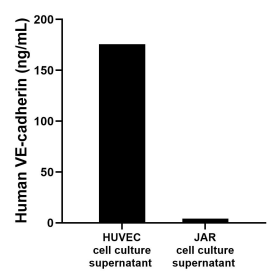
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:
PBS only

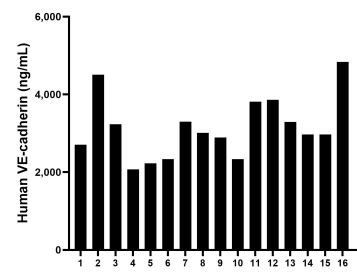
Selected Validation Data



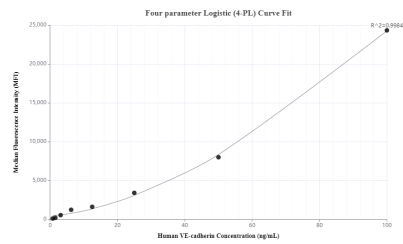
Sandwich ELISA standard curve of MP00752-3, Human VE-cadherin/CD144 Recombinant Matched Antibody Pair - PBS only. 83766-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1200. 83766-4-PBS was HRP conjugated as the detection antibody. Range: 0.78-50 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 VE-cadherin/CD144, and measured 175.74 ng/mL. JAR 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,



Serum of sixteen humans was measured. The human VE-cadherin/CD144 concentration of detected samples was determined to be 3,148.2 ng/mL with a range of 2,070.2 - 4,839.1 pg/mL



Cytometric bead array standard curve of MP00752-3, VE-cadherin/CD144 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83766-1-PBS. Detection antibody: 83766-4-PBS. Standard: Eg1200. Range: 0.78-100 ng/mL