

For Research Use Only

# 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

**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.  
**Storage buffer:**  
PBS only

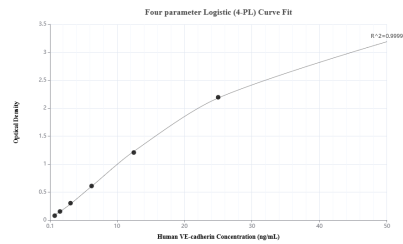
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

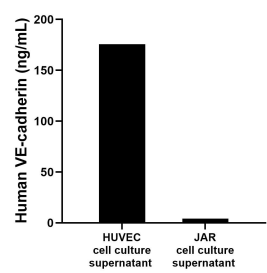
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

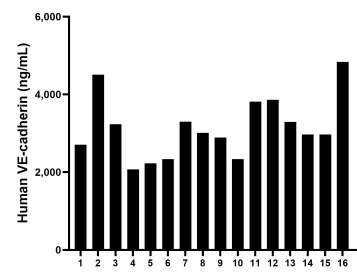
Selected Validation Data



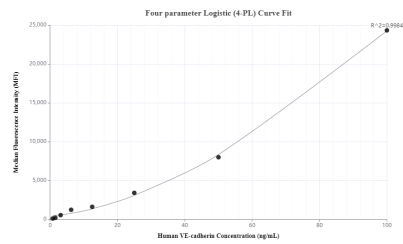
Sandwich ELISA standard curve of MP00752-3, Human VE-cadherin/CD144 Recombinant Matched Antibody Pair - PBS only. 83766-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1200. 83766-4-PBS was HRP conjugated as the detection antibody. Range: 0.78-50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



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



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

