

For Research Use Only

# VE-cadherin/CD144 Recombinant antibody, PBS Only (Detector)

Catalog Number:83766-4-PBS



## Basic Information

**Catalog Number:**

83766-4-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001795.5

**GeneID (NCBI):**

1003

**UNIPROT ID:**

P33151-1

**Full Name:**

cadherin 5, type 2 (vascular endothelium)

**Calculated MW:**

88 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240755F1

## Applications

**Tested Applications:**

Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**

human

## Product Information

83766-4-PBS targets VE-cadherin/CD144 as part of a matched antibody pair:

MP00752-1: 83766-2-PBS capture and 83766-4-PBS detection (validated in Cytometric bead array)

MP00752-3: 83766-1-PBS capture and 83766-4-PBS detection (validated in Cytometric bead array, 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

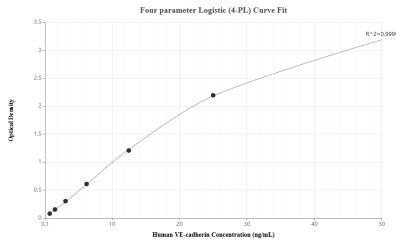
For technical support and original validation data for this product please contact:

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

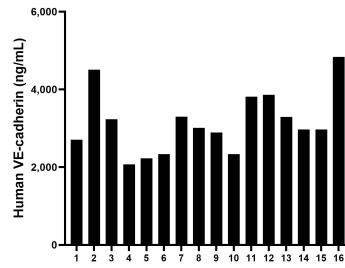
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

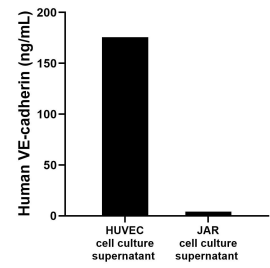
## Selected Validation Data



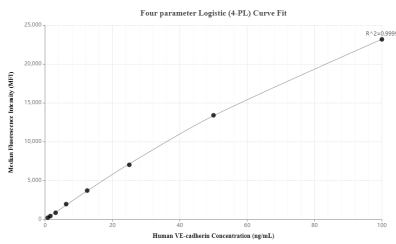
Sandwich ELISA standard curve of MP00752-3, Human VE-cadherin/CD144 Recombinant Matched Antibody Pair - PBS only. 83766-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1200. 83766-4-PBS was HRP conjugated as the detection antibody. Range: 0.78-50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



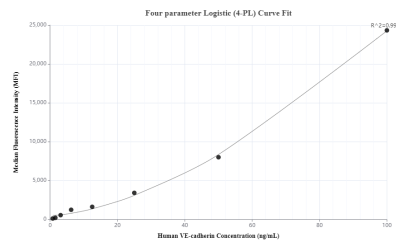
Serum of sixteen humans was measured. The human VE-cadherin/CD144 concentration of detected samples was determined to be 3,148.2 ng/mL with a range of 2,070.2 - 4,839.1 pg/mL



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



Cytometric bead array standard curve of MP00752-1, VE-cadherin/CD144 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83766-2-PBS. Detection antibody: 83766-4-PBS. Standard: Eg1200. Range: 0.78-100 ng/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