

Mouse VCAM-1/CD106 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00701-4**

Capture Antibody Information

Catalog Number:
83719-1-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
240597B2
Reactivity:
mouse

Conjugate:
Unconjugated
Full name:
vascular cell adhesion molecule 1
Gene ID:
22329

Detection Antibody Information

Catalog Number:
83719-3-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
240597D2
Reactivity:
mouse
GenBank:
CAA47989.1

Conjugate:
Unconjugated
Full name:
vascular cell adhesion molecule 1
Gene ID:
22329

Applications

Tested Applications:
Sandwich ELISA

Range:
46.88-3000 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

MP00701-4 targets VCAM-1/CD106 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse VCAM-1/CD106 Recombinant antibody, PBS Only (Capture) 83719-1-PBS (240597B2). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse VCAM-1/CD106 Recombinant antibody, PBS Only (Capture/Detector) 83719-3-PBS (240597D2). 100 µg. Concentration 1 mg/mL.

Alternative VCAM-1/CD106 matched antibody pairs: MP00701-1, MP00701-2, MP00701-3, MP01145-1, MP01145-2, MP01145-3, MP50328-1

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.

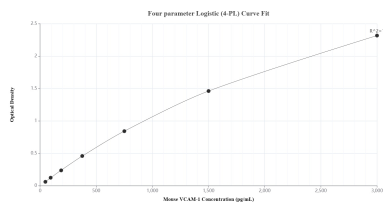
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

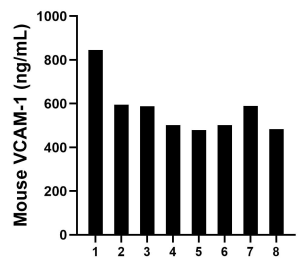
Storage

Storage:
Store at -80°C.
Storage buffer:
PBS only

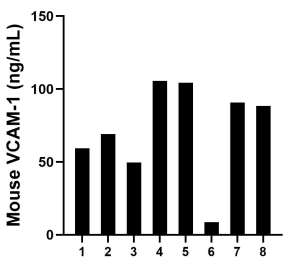
Selected Validation Data



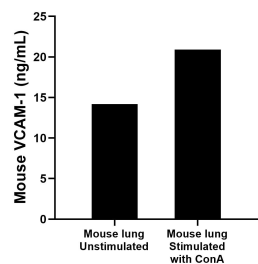
Sandwich ELISA standard curve of MP00701-4, Mouse VCAM-1/CD106 Recombinant Matched Antibody Pair - PBS only. 83719-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0639. 83719-3-PBS was HRP conjugated as the detection antibody. Range: 46.88-3000 pg/mL



Serum of eight mice was measured. The VCAM-1 concentration of detected samples was determined to be 572.76 ng/mL with a range of 483.18-844.96 ng/mL



Urine of eight mice was measured. The VCAM-1 concentration of detected samples was determined to be 71.97 ng/mL with a range of 8.65-105.58 ng/mL



Mouse lung, cut into 1-2 mm pieces, was cultured for 3 days in 25-30 mL of RPMI supplemented with 10% fetal bovine serum and unstimulated or stimulated with 10 µg/mL ConA. The mean VCAM-1 concentration was determined to be 14.2 ng/mL in unstimulated mouse lung superantant, 20.9 ng/mL in ConA stimulated mouse lung superantant.