

# Mouse ICAM-1/CD54 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00543-4**

## Capture Antibody Information

**Catalog Number:**

82827-9-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

240249C1

**Reactivity:**

mouse

**GenBank:**

NM\_010493

**Conjugate:**

Unconjugated

**Full name:**

intercellular adhesion molecule 1

**Gene ID:**

15894

## Detection Antibody Information

**Catalog Number:**

82827-5-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

240249H8

**Reactivity:**

mouse

**GenBank:**

NM\_010493

**Conjugate:**

Unconjugated

**Full name:**

intercellular adhesion molecule 1

**Gene ID:**

15894

## 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

MP00543-4 targets ICAM-1/CD54 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse ICAM-1/CD54 Recombinant antibody, PBS Only (Capture) 82827-9-PBS (240249C1). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse ICAM-1/CD54 Recombinant antibody, PBS Only (Detector) 82827-5-PBS (240249H8). 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:**

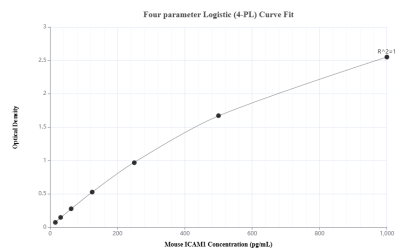
Store at -80°C.

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

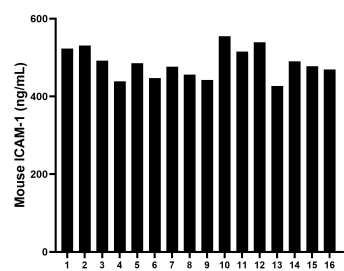
**Storage buffer:**

PBS only

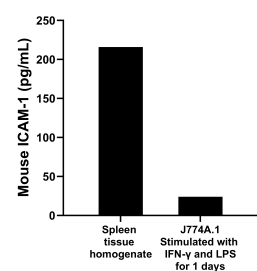
## Selected Validation Data



Sandwich ELISA standard curve of MP00543-4, Mouse ICAM-1/CD54 Recombinant Matched Antibody Pair - PBS only. 82827-9-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0482. 82827-5-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



Serum of sixteen mice was measured. The mouse ICAM-1/CD54 concentration of detected samples was determined to be 485.4 ng/mL with a range of 427.2 - 555.0 ng/mL.



Mouse spleen tissue homogenate was measured. The mouse ICAM-1/CD54 concentration of detected samples was determined to be 215.8 pg/mL. For the J774A.1 supernatant cultured for 1 days, the mean mouse ICAM-1 concentration was determined to be 21.5 pg/mL in IFN- $\gamma$  and LPS stimulated J774A.1 supernatant.