

For Research Use Only

# 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

**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.

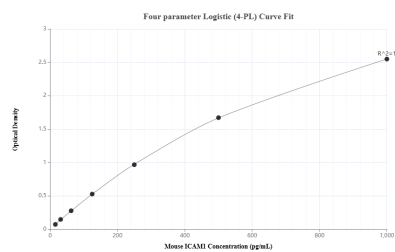
## Storage

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

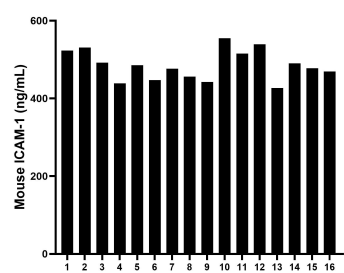
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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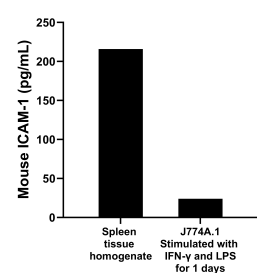
## Selected Validation Data



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-γ and LPS stimulated J774A.1 supernatant.