

Mouse CD47 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02223-2**

Capture Antibody Information

Catalog Number:
85958-5-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
242850H2
Reactivity:
mouse
GenBank:
NP_001355344.1
Immunogen Catalog Number:
Eg1394

Conjugate:
Unconjugated
Full name:
CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
Gene ID:
16423

Detection Antibody Information

Catalog Number:
85958-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
242850F4
Reactivity:
mouse
GenBank:
NP_001355344.1
Immunogen Catalog Number:
Eg1394

Conjugate:
Unconjugated
Full name:
CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
Gene ID:
16423

Applications

Tested Applications:
Sandwich ELISA

Range:
0.156-10 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

MP02223-2 targets CD47 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse CD47 Recombinant antibody, PBS Only (Capture) 85958-5-PBS (242850H2). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse CD47 Recombinant antibody, PBS Only (Detector) 85958-4-PBS (242850F4). 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.

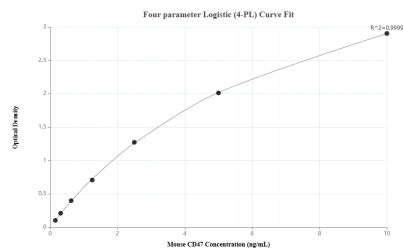
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

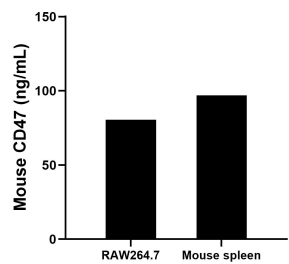
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

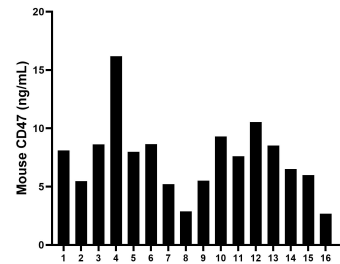
Selected Validation Data



Sandwich ELISA standard curve of MP02223-2, Mouse CD47 Recombinant Matched Antibody Pair - PBS only. 85958-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1394. 85958-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The mean CD47 concentration was determined to be 80.59 ng/mL in RAW264.7 cell extract based on a 1.3 mg/mL extract load and 96.98 ng/mL in mouse spleen tissue extract based on a 8.4 mg/mL extract load.



Serum of sixteen mice was measured. The mouse CD47 concentration of detected samples was determined to be 7.49 ng/mL with a range of 2.67 - 16.18 ng/mL.