

Mouse CD74 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02137-1**

Capture Antibody Information

Catalog Number:
85802-1-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
250109F2
Reactivity:
mouse
GenBank:
NM_001042605.1
Immunogen Catalog Number:
Eg2716

Conjugate:
Unconjugated
Full name:
CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)
Gene ID:
16149

Detection Antibody Information

Catalog Number:
85802-2-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
250109B11
Reactivity:
mouse
GenBank:
NM_001042605.1
Immunogen Catalog Number:
Eg2716

Conjugate:
Unconjugated
Full name:
CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)
Gene ID:
16149

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.781-50 ng/mL (Cytometric Bead Array)
0.391-25 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

MP02137-1 targets CD74 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Mouse Cd74 Recombinant antibody, PBS Only (Capture) 85802-1-PBS (250109F2). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse Cd74 Recombinant antibody, PBS Only (Detector) 85802-2-PBS (250109B11). 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.

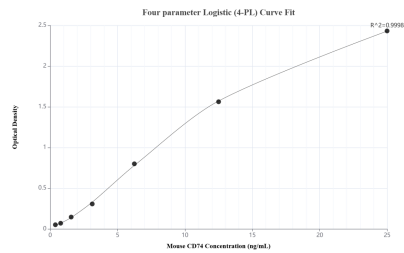
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

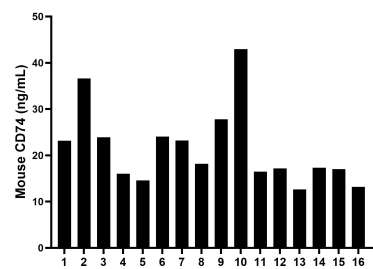
Storage

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

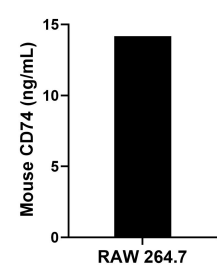
Selected Validation Data



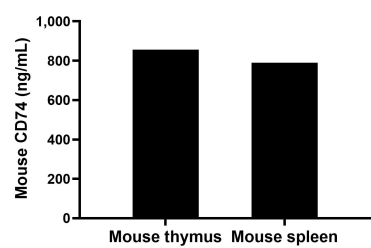
Sandwich ELISA standard curve of MP02137-1, Mouse CD74 Recombinant Matched Antibody Pair - PBS only. 85802-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2716. 85802-2-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL.



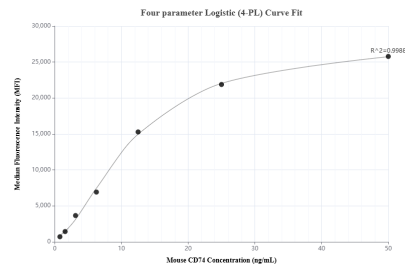
Serum of sixteen mice was measured. The CD74 concentration of detected samples was determined to be 21.51 pg/mL with a range of 12.61-42.94 pg/mL.



RAW 264.7 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 mouse CD74, and measured 14.17 ng/mL.



The mean CD74 concentration was determined to be 856.01 ng/mL in mouse thymus tissue extract based on a 5.80 mg/mL extract load and 789.39 ng/mL in mouse spleen tissue extract based on a 8.50 mg/mL extract load.



Cytometric bead array standard curve of MP02137-1, MOUSE CD74 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85802-1-PBS. Detection antibody: 85802-2-PBS. Standard: Eg2716. Range: 0.781-50 ng/mL.