

CD74 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02221-2**

Capture Antibody Information

Catalog Number:
86023-1-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
250520A2
Reactivity:
human
GenBank:
NM_001025159.3
Immunogen Catalog Number:
Eg1945

Conjugate:
Unconjugated
Full name:
CD74 molecule, major histocompatibility complex, class II invariant chain
Gene ID:
972

Detection Antibody Information

Catalog Number:
86023-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
250520F6
Reactivity:
human
GenBank:
NM_001025159.3
Immunogen Catalog Number:
Eg1945

Conjugate:
Unconjugated
Full name:
CD74 molecule, major histocompatibility complex, class II invariant chain
Gene ID:
972

Applications

Tested Applications:
Sandwich ELISA

Range:
125-8000 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

MP02221-2 targets CD74 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: CD74 Recombinant antibody, PBS Only (Capture/Detector) 86023-1-PBS (250520A2). 100 µg. Concentration 1 mg/mL.

Detection antibody: CD74 Recombinant antibody, PBS Only (Detector) 86023-4-PBS (250520F6). 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.

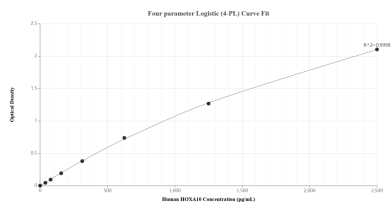
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

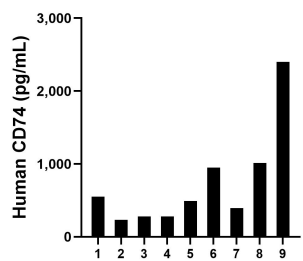
Storage

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

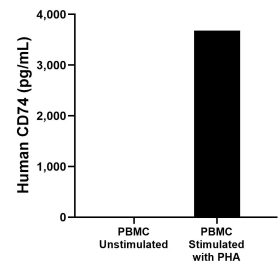
Selected Validation Data



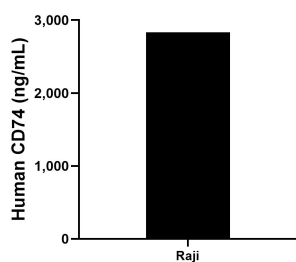
Sandwich ELISA standard curve of MP02221-2, Human CD74 Recombinant Matched Antibody Pair - PBS only. 86023-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1945. 86023-4-PBS was HRP conjugated as the detection antibody. Range: 125-8000 pg/mL.



Serum of nine individual healthy human donors was measured. The CD74 concentration of detected samples was determined to be 732.3 pg/mL with a range of 232.3-2,400.9 pg/mL.



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 μ g/mL PHA for 3 days. The mean CD74 concentration was undetectable in unstimulated PBMC supernatant, 3,681.7 pg/mL in PHA stimulated PBMC supernatant.



The mean CD74 concentration was determined to be 2,833.0 ng/mL in Raji cell extract based on a 1.8 mg/mL extract load.