For Research Use Only

Mouse CD40 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP00896-1

proteintech®
Antibodies | ELISA kits | Proteins
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Capture Antibody Information

Catalog Number:
83972-2-PBS

Clone ID:
240874B4

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
mouse

Full name:
CD40 antigen

Isotype:
IgG

Immunogen Catalog Number:
Eg1118

Gene ID:
21939

Purification Method:
Protein A purification

Detection Antibody Information

Catalog Number:
83972-1-PBS

Clone ID:
240874A9

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
mouse

Full name:
CD40 antigen

Isotype:
IgG

GenBank:
NM_011611.2

Gene ID:
21939

Purification Method:
Protein A purification

Immunogen Catalog Number:
Eg1118

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.313- 40 ng/mL (Cytometric Bead Array)
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

MP00896-1 targets CD40 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Mouse CD40/TNFRSF5 Recombinant antibody, PBS Only (Capture) 83972-2-PBS (240874B4). 100 µg. Concentration 1 mg/ml.

Detection antibody: Mouse CD40/TNFRSF5 Recombinant antibody, PBS Only (Detector) 83972-1-PBS (240874A9). 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.

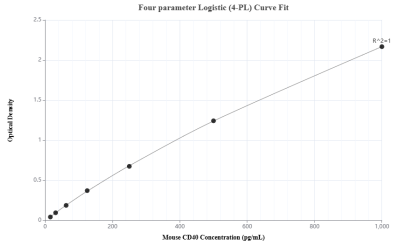
Storage

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

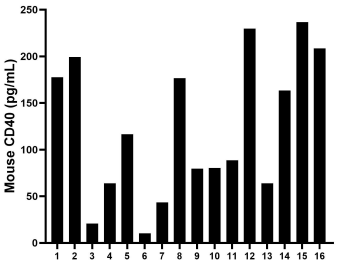
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

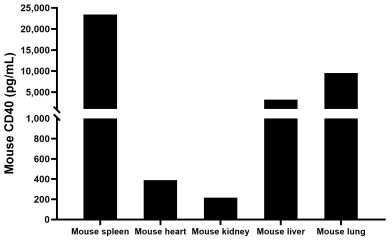
Selected Validation Data



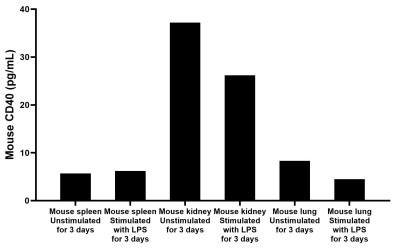
Sandwich ELISA standard curve of MP00896-1, Mouse CD40 Recombinant Matched Antibody Pair - PBS only. 83972-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1118. 83972-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



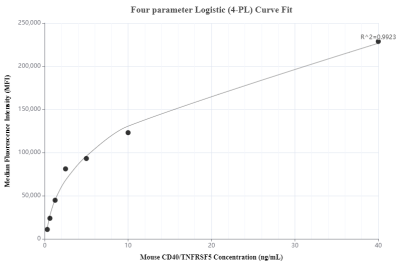
Serum of sixteen mice was measured. The mouse CD40 concentration of detected samples was determined to be 122.5 pg/mL with a range of 10.4 - 236.8 pg/mL.



The mean CD40 concentration was determined to be 23,443.1 pg/mL in mouse spleen tissue extract based on a 3.0 mg/mL extract load, 390.2 pg/mL in mouse heart tissue extract based on a 11.2 mg/mL extract load, 216.2 pg/mL in mouse kidney tissue extract based on a 1.5 mg/mL extract load, 3,196.8 pg/mL in mouse liver tissue extract based on a 3.0 mg/mL extract load and 9,508.1 pg/mL in mouse lung tissue extract based on a 3.0 mg/mL extract load.



Mouse spleen tissue, mouse kidney tissue and mouse lung tissue was cultured for 3 days in RPMI supplemented with 10% fetal bovine serum, 5 µM β-mercaptoethanol, 2 mM L-glutamine, 100 U/mL penicillin, 100 µg/mL streptomycin sulfate, and stimulated with 1 µg/mL LPS. The mean CD40 concentration was determined to be 5.7 pg/mL, 37.2 pg/mL and 8.3 pg/mL in unstimulated mouse spleen tissue, mouse kidney tissue and mouse lung tissue



Cytometric bead array standard curve of MP00896-1, MOUSE CD40 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83972-2-PBS. Detection antibody: 83972-1-PBS. Standard: Eg1118. Range: 0.313- 40 ng/mL.