

For Research Use Only

Mouse Cd74 Recombinant antibody, PBS Only (Detector)

Catalog Number: 85802-2-PBS



Basic Information

Catalog Number: 85802-2-PBS	GenBank Accession Number: NM_001042605.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 16149	CloneNo.: 250109B11
Source: Rabbit	UNIPROT ID: P04441-1	
Isotype: IgG	Full Name: CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)	
Immunogen Catalog Number: EG2716	Calculated MW: 32 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
mouse

Product Information

85802-2-PBS targets Cd74 as part of a matched antibody pair:

MP02137-1: 85802-1-PBS capture and 85802-2-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

MP02137-2: 85802-3-PBS capture and 85802-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) 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.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

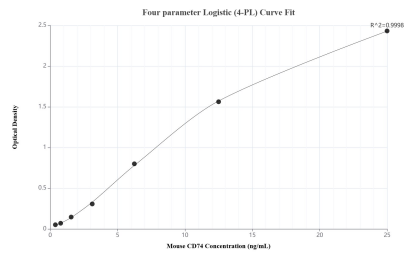
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

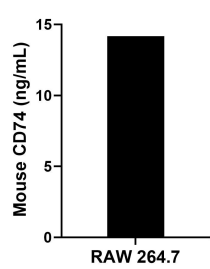
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

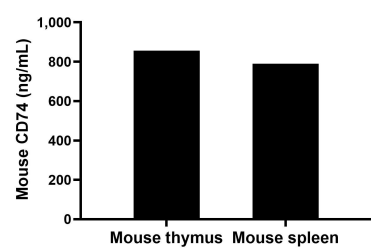
Selected Validation Data



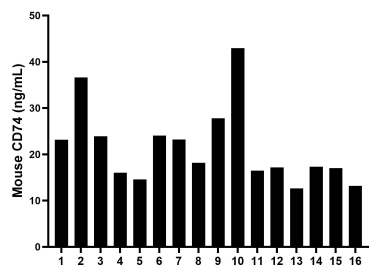
Sandwich ELISA standard curve of MP02137-1, Mouse CD74 Recombinant Matched Antibody Pair - PBS only. 85802-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2716. 85802-2-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL.



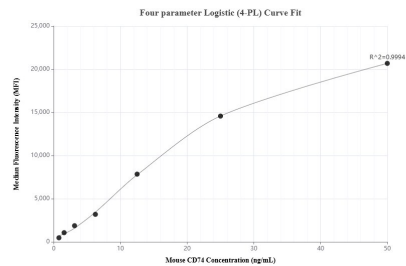
RAW 264.7 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for mouse CD74, and measured 14.17 ng/mL.



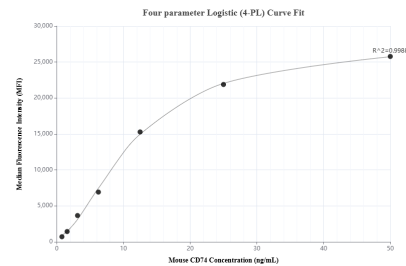
The mean CD74 concentration was determined to be 856.01 ng/mL in mouse thymus tissue extract based on a 5.80 mg/mL extract load and 789.39 ng/mL in mouse spleen tissue extract based on a 8.50 mg/mL extract load.



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.



Cytometric bead array standard curve of MP02137-2, MOUSE CD74 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85802-3-PBS. Detection antibody: 85802-2-PBS. Standard: Eg2716. Range: 0.781-50 ng/mL.



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.