For Research Use Only

Mouse CXCL10/IP-10 Recombinant monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number:88158-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
88158-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG5063

GenBank Accession Number:
NM_021274.2

GeneID (NCBI):
15945

UNIPROT ID:
Q548V9

Full Name:
chemokine (C-X-C motif) ligand 10

Calculated MW:
11KD

Purification Method:
Protein A purification

CloneNo.:
253219D12

Applications

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

Species Specificity:
mouse

Product Information

88158-1-PBS targets CXCL10/IP-10 as part of a matched antibody pair:

MP03346-1: 88158-2-PBS capture and 88158-1-PBS detection (validated in Cytometric bead array)

MP03346-2: 88158-1-PBS capture and 88158-2-PBS detection (validated in Sandwich ELISA)

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.

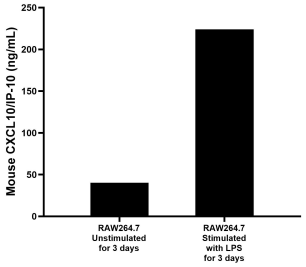
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

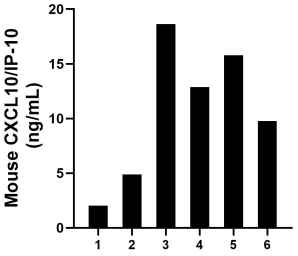
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

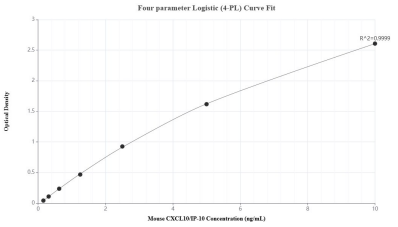
Selected Validation Data



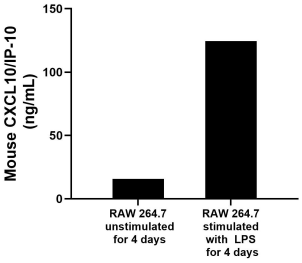
RAW 264.7 were cultured unstimulated or stimulated with 1 ug/mL LPS for 3 days. The mean CXCL10/IP-10 concentration was determined to be 40.2 ng/mL in unstimulated supernatant, 223.85 ng/mL in LPS stimulated supernatant.



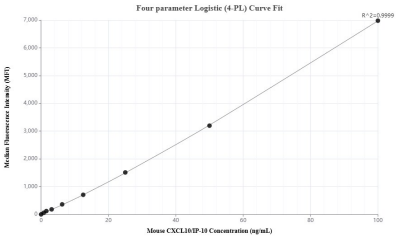
Serum of six mice was measured. The CXCL10/IP-10 concentration of detected samples was determined to be 10.66 ng/mL with a range of 2.04-18.64 ng/mL.



Sandwich ELISA standard curve of MP03346-2, Mouse CXCL10/IP-10 Recombinant Matched Antibody Pair - PBS only. 88158-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5063. 88158-2-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



RAW 264.7 mouse monocyte/macrophage cells (3.5 x 106cells/mL) were cultured in DMEM supplemented with 8% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. Cells were cultured unstimulated or stimulated with 1 µg/mL LPS for 4 days. Aliquots of the cell culture supernates were removed and assayed for levels of mouse CXCL10/IP-10, and measured 15.6 ng/mL,124.5 ng/mL, respectively.



Cytometric bead array standard curve of MP03346-1, MOUSE CXCL10/IP-10 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88158-2-PBS. Detection antibody: 88158-1-PBS. Standard: Eg5063. Range: 0.781-100 ng/mL