For Research Use Only

Mouse CSF-1/MCSF Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:87732-1-PBS

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

Basic Information

Catalog Number:
87732-1-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0684

GenBank Accession Number:
NM_001113530.1

GeneID (NCBI):
12977

UNIPROT ID:
P07141-1

Full Name:
colony stimulating factor 1 (macrophage)

Calculated MW:
61KD

Purification Method:
Protein A purification

CloneNo.:
253211A2

Applications

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

Species Specificity:
mouse

Product Information

87732-1-PBS targets CSF-1/MCSF as part of a matched antibody pair:

MP03182-1: 87732-2-PBS capture and 87732-1-PBS detection (validated in Cytometric bead array)

MP03182-2: 87732-3-PBS capture and 87732-1-PBS detection (validated in Sandwich ELISA)

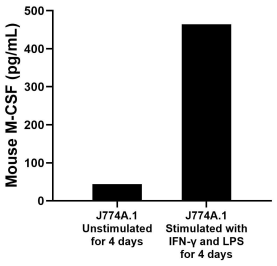
Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy 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.

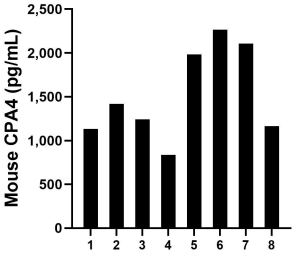
Storage

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

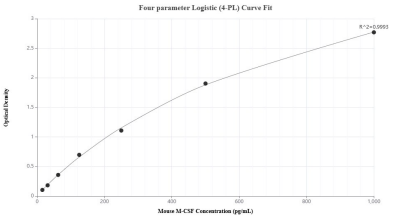
Selected Validation Data



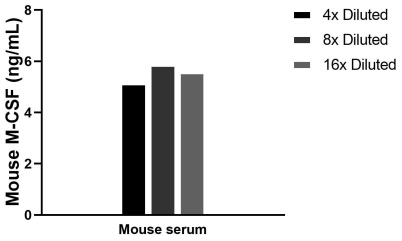
J774A.1 were cultured in RPMI 1640 plus 15% fetal bovine serum and stimulated with 20 ng/mL IFN-γ and 1 µg/mL LPS for 4 days. The mean M-CSF concentration was determined to be 43.61 pg/mL in unstimulated J774A.1 supernatant, 464.7 pg/mL in stimulated J774A.1 supernatant.



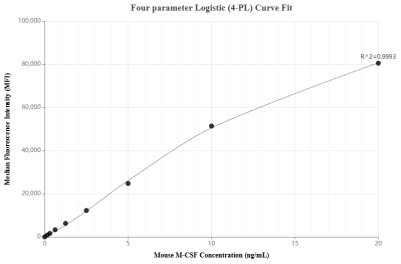
Serum of eight mice was measured. The mouse M-CSF concentration of detected samples was determined to be 1,518.6 pg/mL with a range of 826.3 - 2,265.4 pg/mL.



Sandwich ELISA standard curve of MP03182-2, Mouse M-CSF Recombinant Matched Antibody Pair - PBS only. 87732-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0684. 87732-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



The mean M-CSF concentration was determined to be 5.5 ng/mL in mouse serum.



Cytometric bead array standard curve of MP03182-1, MOUSE M-CSF Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87732-2-PBS. Detection antibody: 87732-1-PBS. Standard: Eg0684. Range: 0.156-20 ng/mL.