For Research Use Only

Rat CXCL1 Recombinant antibody, PBS Only (Detector)

Catalog Number:83745-2-PBS

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
83745-2-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0948

GenBank Accession Number:
NM_030845.1

GeneID (NCBI):
81503

UNIPROT ID:
P14095

Full Name:
chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)

Calculated MW:
10 kDa

Purification Method:
Protein A purification

CloneNo.:
240799D7

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
rat

Product Information

83745-2-PBS targets CXCL1 as part of a matched antibody pair:

MP00698-3: 83745-4-PBS capture and 83745-2-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.

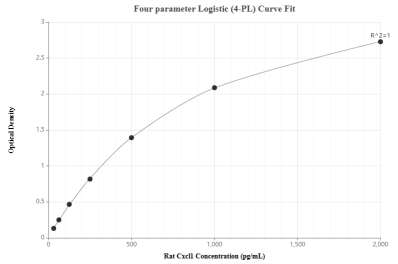
Storage

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

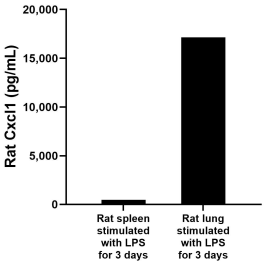
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

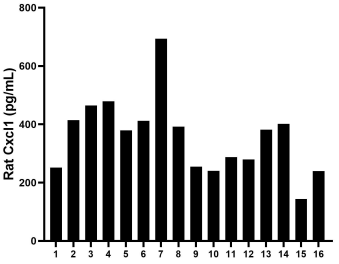
Selected Validation Data



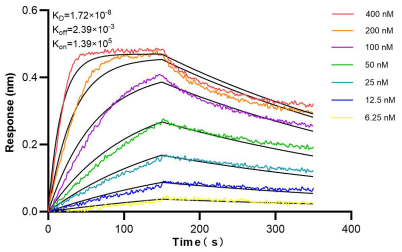
Sandwich ELISA standard curve of MP00698-3, Rat Cxcl1 Recombinant Matched Antibody Pair - PBS only. 83745-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0948. 83745-2-PBS was HRP conjugated as the detection antibody. Range: 31.3-2000 pg/mL



Rat lung (1 lung, 1-2 mm pieces) were cultured for 3 days in RPMI 1640 plus 15% fetal bovine serum and stimulated with 5 μg/mL LPS. An aliquot of cell culture supernatants was removed, The cell culture supernatants was assayed for rat Cxcl1 and measured 465.9 pg/mL; Rat spleen (1/2 spleen; 1-2 mm pieces) were cultured for 3 days in 50 mL DMEM supplemented with 10% fetal bovine serum and stimulated with 5 μg/mL LPS. An aliquot of cell culture



Serum of sixteen rats was measured. The rat Cxcl1 concentration of detected samples was determined to be 357.1 pg/mL with a range of 143.6 - 694.0 pg/mL.



Biolayer interferometry (BLI) kinetic assays of 83745-2-PBS against Rat CXCL1 were performed. The affinity constant is 17.2 nM.