For Research Use Only

Rat CXCL1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP00698-3

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Antibodies | ELISA kits | Proteins
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Capture Antibody Information

Catalog Number:
83745-4-PBS

Clone ID:
240799G5

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
rat

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

Isotype:
IgG

GenBank:
NM_030845.1

Gene ID:
81503

Purification Method:
Protein A purification

Immunogen Catalog Number:
Eg0948

Detection Antibody Information

Catalog Number:
83745-2-PBS

Clone ID:
240799D7

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
rat

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

Isotype:
IgG

GenBank:
NM_030845.1

Gene ID:
81503

Purification Method:
Protein A purification

Immunogen Catalog Number:
Eg0948

Applications

Tested Applications:
Sandwich ELISA

Range:
31.3-2000 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

MP00698-3 targets CXCL1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat CXCL1 Recombinant antibody, PBS Only (Capture) 83745-4-PBS (240799G5). 100 μg. Concentration 1 mg/ml.

Detection antibody: Rat CXCL1 Recombinant antibody, PBS Only (Detector) 83745-2-PBS (240799D7). 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.

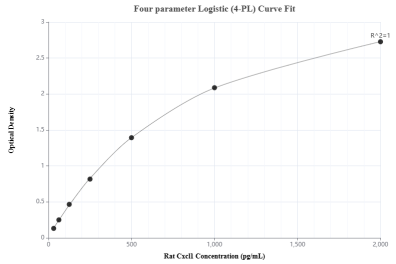
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

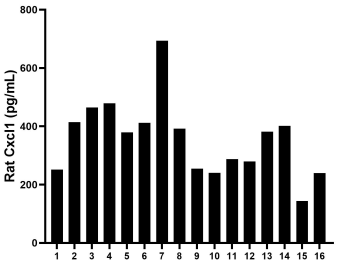
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

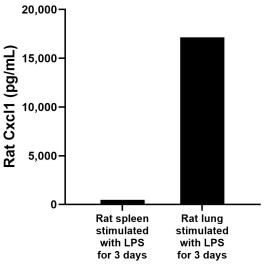
Selected Validation Data



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



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.



Rat lung (1 lung, 1-2 mm pieces) were cultured for 3 days in RPMI1640 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 supernatants was removed, The