ARG56661
anti-CXCL2 / MIP2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CXCL2 / MIP2
Tested Reactivity	Ms, Rat
Tested Application	ELISA, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXCL2 / MIP2
Species	Mouse
Immunogen	E.coli derived Recombinant Mouse MIP-2 (CXCL2). (AVVASELRCQ CLKTLPRVDF KNIQSLSVTP PGPHCAQTEV IATLKGGQKV CLDPEAPLVQ KIIQKILNKG KAN)
Conjugation	Un-conjugated
Alternate Names	Gro-beta; SCYB2; HSF; CINC-2a; GROb; MGSA-b; SB-251353; MIP2A; MIP2; Hematopoietic synergistic factor; 5-73; C-X-C motif chemokine 2; MIP-2a; GRO2; Macrophage inflammatory protein 2-alpha; GRO-beta-T; Growth-regulated protein beta; MIP2-alpha

Application Instructions

Application table

Application	Dilution
ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56771 as a detection antibody
Neut	0.52 - 0.90 µg/ml (To yield [ND50] of the biological activity of mMIP - 2 (15.00 ng/ml))
WB	0.1 - 0.2 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

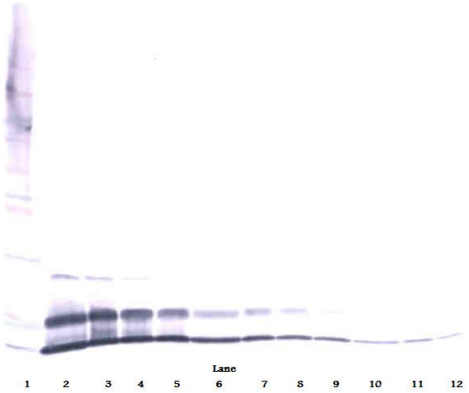
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

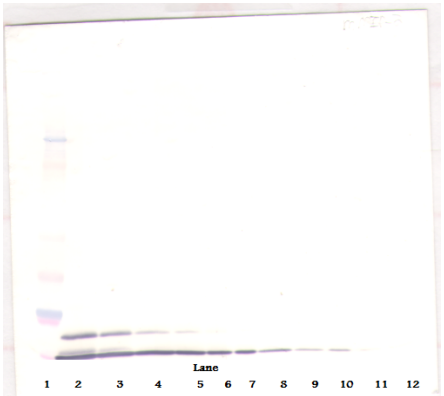
Database links	GeneID: 114105 Rat GeneID: 20310 Mouse Swiss-port # P10889 Mouse Swiss-port # P30348 Rat
Gene Symbol	Cxcl2
Gene Full Name	chemokine (C-X-C motif) ligand 2
Background	This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CXC subfamily, is expressed at sites of inflammation and may suppress hematopoietic progenitor cell proliferation. [provided by RefSeq, Sep 2014]
Function	Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematoregulatory chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity. [UniProt]
Calculated Mw	11 kDa
PTM	The N-terminal processed form GRO-beta(5-73) is produced by proteolytic cleavage after secretion from bone marrow stromal cells.

Images



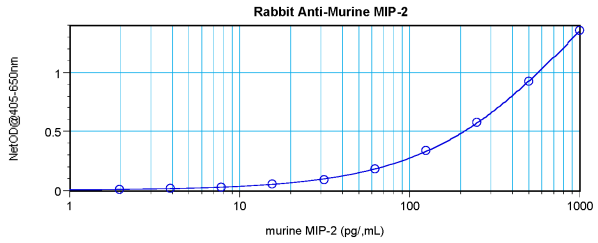
ARG56661 anti-CXCL2 / MIP2 antibody WB image

Western blot: 250 - 0.24 ng of Mouse MIP-2 stained with ARG56661 anti-CXCL2 / MIP2 antibody, under reducing conditions.



ARG56661 anti-CXCL2 / MIP2 antibody WB image

Western blot: 250 - 0.24 ng of Mouse MIP-2 stained with ARG56661 anti-CXCL2 / MIP2 antibody, under non-reducing conditions.



ARG56661 anti-CXCL2 / MIP2 antibody standard curve image

Sandwich ELISA: ARG56661 anti-CXCL2 / MIP2 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56771 anti-CXCL2 / MIP-2 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.