

## ARG56693 anti-CXCL3 / GRO gamma antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CXCL3 / GRO gamma
Tested Reactivity	Hu, Ms
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXCL3 / GRO gamma
Species	Human
Immunogen	E.coli derived Recombinant Human GRO gamma. (ASVVTLELRQC CLQTLQGIHL KNIQSVNVRS PGPHCAQTEV IATLKNGKKA CLNPASPMVQ KIEKILNKG STN)
Conjugation	Un-conjugated
Alternate Names	Macrophage inflammatory protein 2-beta; MIP2-beta; SCYB3; GRO-gamma; Growth-regulated protein gamma; 5-73; GROg; 1-73; MIP2B; C-X-C motif chemokine 3; CINC-2b; GRO3; MIP-2b

### Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56802 as a detection antibody
	IHC-P	0.5 - 0.7 µg/ml
	Neut	1.0 - 2.0 µg/ml (To yield [ND50] of the biological activity of Human GRO - γ (100 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: 2921 Human](#)

[GeneID: 330122 Mouse](#)

[Swiss-port # P19876 Human](#)

[Swiss-port # Q6W5C0 Mouse](#)

### Gene Symbol

CXCL3

### Gene Full Name

chemokine (C-X-C motif) ligand 3

### Background

This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. [provided by RefSeq, Sep 2014]

### Function

Ligand for CXCR2 (By similarity). Has chemotactic activity for neutrophils. May play a role in inflammation and exert its effects on endothelial cells in an autocrine fashion. In vitro, the processed form GRO-gamma(5-73) shows a fivefold higher chemotactic activity for neutrophilic granulocytes. [UniProt]

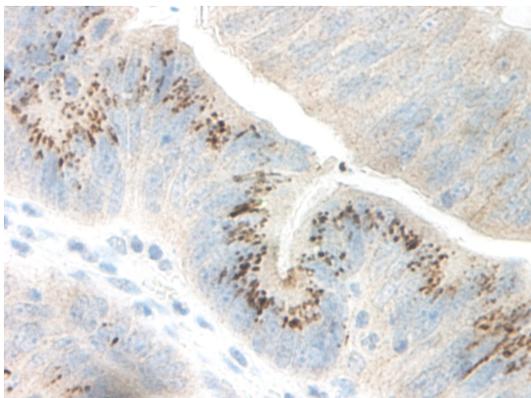
### Calculated Mw

11 kDa

### PTM

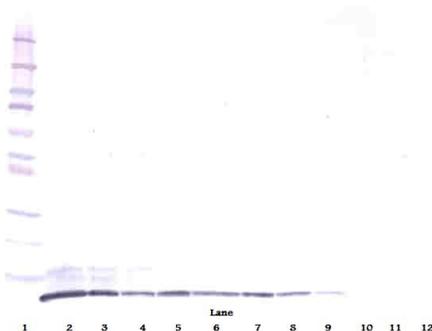
N-terminal processed form GRO-gamma(5-73) is produced by proteolytic cleavage after secretion from peripheral blood monocytes.

## Images



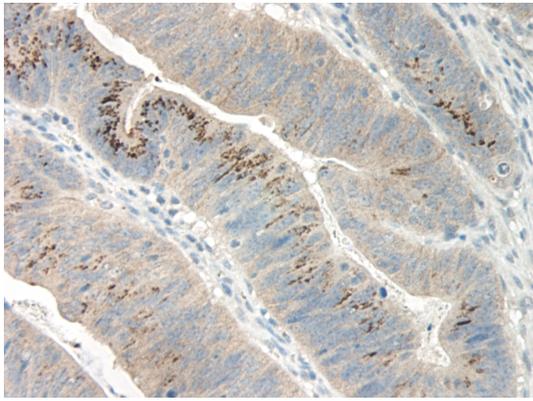
ARG56693 anti-CXCL3 / GRO gamma antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human colon/rectum adenocarcinoma. The recommended ARG56693 anti-CXCL3 / GRO gamma antibody concentration is 0.7 µg/ml - 0.5 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



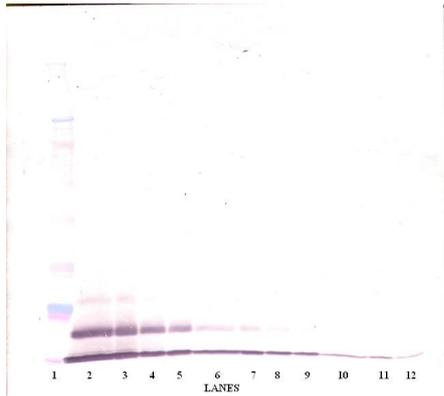
ARG56693 anti-CXCL3 / GRO gamma antibody WB image

Western blot: 250 - 0.24 ng of Human GRO gamma stained with ARG56693 anti-CXCL3 / GRO gamma antibody, under reducing conditions.



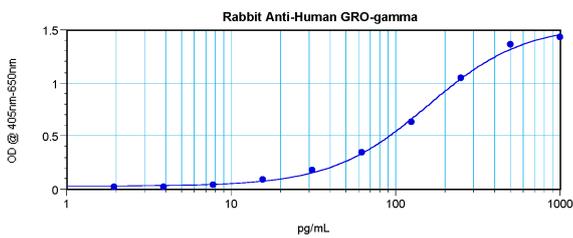
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ARG56693 anti-CXCL3 / GRO gamma antibody WB image

Western blot: 250 - 0.24 ng of Human GRO gamma stained with ARG56693 anti-CXCL3 / GRO gamma antibody, under non-reducing conditions.



ARG56693 anti-CXCL3 / GRO gamma antibody standard curve image

Sandwich ELISA: ARG56693 anti-CXCL3 / GRO gamma antibody as a capture antibody at 0.5 - 2.0  $\mu\text{g/ml}$  combined with ARG56802 anti-CXCL3 / GRO gamma antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.