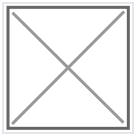
CXCL1 Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	CXCL1, Monoclonal Antibody
Full Product Name	Anti-CXCL1 antibody (DMC499); IgG1 Chimeric mAb
Product Gene Name	anti-CXCL1 antibody
Product Synonym Names	FSP; GRO1; GROa; MGSA; MGSA-a; NAP-3; SCYB1
Clonality	Monoclonal
Isotype	Rabbit/Human Fc chimeric IgG1
Clone Number	DMC499
Host	Rabbit
Species Reactivity	Human
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	Purified from cell culture supernatant by affinity chromatography
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized antibodies are shipped at ambient temperature.
Molecular Weight	11,301 Da
OMIM	155730
3D Structure	ModBase 3D Structure for P09341
Product Categories/Family for anti-CXCL1 antibody	mAb 420; monoclonal antibodies
Applications Tested/Suitable for anti-CXCL1 antibody	Flow Cytometry (FC/FACS)
Application Notes for anti-CXCL1 antibody	FC/FACS: 1:100
Related Product Information for anti-CXCL1 antibody	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. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. [provided by RefSeq; Sep 2014]
Other Notes	Small volumes of anti-CXCL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CXCL1 purchase	MBS1880353 is an antibody targeting CXCL1. Also known as Anti-CXCL1 antibody (DMC499); IgG1 Chimeric mAb. Reactive in Human. Host: Rabbit.



Flow Cytometry (FC/FACS) of anti-CXCL1 antibody
Figure 1. Flow cytometry analysis with Anti-CXCL1 (DMC499) on Expi293 cells transfected with human CXCL1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXCL1. It may not necessarily be applicable to this product.

NCBI GI #	4504153
NCBI GeneID	2919
NCBI Accession #	NP_001502.1
UniProt Primary Accession #	P09341
UniProt Secondary Accession #	Q9UCR7
UniProt Related Accession #	P09341
GenBank Nucleotide #	NM_001511.3
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
NCBI Official Symbol	CXCL1
NCBI Official Synonym Symbols	FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a
UniProt Protein Name	Growth-regulated alpha protein
UniProt Synonym Protein Names	C-X-C motif chemokine 1; GRO-alpha(1-73); Melanoma growth stimulatory activity; MGSA; Neutrophil-activating protein 3
Protein Family	Growth-regulated alpha protein
UniProt Gene Name	CXCL1
UniProt Synonym Gene Names	GRO; GRO1; GROA; MGSA; SCYB1; MGSA; NAP-3
UniProt Entry Name	GROA_HUMAN
NCBI Protein Information	growth-regulated alpha protein; MGSA alpha; GRO-alpha(1-73); C-X-C motif chemokine 1; fibroblast secretory protein; neutrophil-activating protein 3; melanoma growth stimulatory activity alpha; GRO1 oncogene (melanoma growth-stimulating activity); GRO1 onc
NCBI Summary for CXCL1	This gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signal through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4. [provided by RefSeq, Jan 2012]

UniProt Comments for CXCL1	CXCL1: Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO- alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity. Belongs to the intercrine alpha (chemokine CxC) family. Protein type: Secreted; Motility/polarity/chemotaxis; Secreted, signal peptide Chromosomal Location of Human Ortholog: 4q21 Cellular Component: extracellular space; extracellular region Molecular Function: growth factor activity; chemokine activity; CXCR chemokine receptor binding; enzyme activator activity; receptor binding Biological Process: positive regulation of catalytic activity; negative regulation of cell proliferation; cell proliferation; nervous system development; G-protein coupled receptor protein signaling pathway; immune response; response to lipopolysaccharide; positive regulation of leukocyte chemotaxis; inflammatory response; actin cytoskeleton organization and biogenesis; chemotaxis; signal transduction
Research Articles on CXCL1	**1.** decreased serum levels in patients with alopecia areata
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