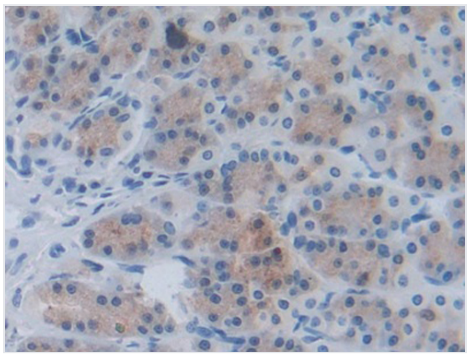
Chemokine (CXC Motif) Ligand 1 (CXCL1) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Chemokine (CXC Motif) Ligand 1 (CXCL1), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Chemokine (CXC Motif) Ligand 1 (CXCL1)
Product Gene Name	anti-CXCL1 antibody
Product Synonym Names	CXCL1/Chemokine (CXC Motif) Ligand 1; NAP3; GRO1; GROa; GROA; MGSAA; NAP3; SCYB1; Chemokine CXCMotif Ligand 1; Melanoma Growth Stimulating Activity Alpha; Fibroblast Secretory Protein
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	A8
Host	Mouse
Species Reactivity	Rat
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against CXCL1. It has been selected for its ability to recognize CXCL1 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: CXCL1 Clone #A8 (MBS2138317) APC-CY7 Conjugated Antibody: CXCL1 Clone #A8 (MBS2127620)
Matching Pairs	Unconjugated Antibody: CXCL1 Clone #A8 (MBS2138317) PE Conjugated Antibody: CXCL1 Clone #A8 (MBS2127625)
Matching Pairs	Unconjugated Antibody: CXCL1 Clone #A8 (MBS2138317) APC Conjugated Antibody: CXCL1 Clone #A8 (MBS2127630)
Matching Pairs	Unconjugated Antibody: CXCL1 Clone #A8 (MBS2138317) Cy3 Conjugated Antibody: CXCL1 Clone #A8 (MBS2127635)
Matching Pairs	Unconjugated Antibody: CXCL1 Clone #A8 (MBS2138317) Biotin Conjugated Antibody: CXCL1 Clone #A8 (MBS2127640)
Matching Pairs	Unconjugated Antibody: CXCL1 Clone #A8 (MBS2138317) FITC Conjugated Antibody: CXCL1 Clone #A8 (MBS2127645)
Matching Pairs	Unconjugated Antibody: CXCL1 Clone #A8 (MBS2138317) HRP Conjugated Antibody: CXCL1 Clone #A8 (MBS2127650)
Molecular Weight	10,249 Da
3D Structure	ModBase 3D Structure for P14095
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Ala25~Lys96
Conjugation	Unconjugated
Product Categories/Family for anti-CXCL1 antibody	Cytokine; Tumor immunity; Infection immunity; Primary
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CXCL1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-CXCL1 antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-CXCL1 antibody	MBS2138317 is an antibody targeting CXCL1. Also known as Monoclonal Antibody to Chemokine (CXC Motif) Ligand 1 (CXCL1). Reactive in Rat. Host: Mouse.
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.



Immunohistochemistry (IHC) of anti-CXCL1 antibody
DAB staining on IHCP; Sample: Rat Stomach Tissue; Primary Ab: 20ug/ml Mouse AntiRat NAP3 Antibody Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL DETAILS

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

NCBI GI #	13540652
NCBI GeneID	81503
NCBI Accession #	NP_110472.1
UniProt Primary Accession #	P14095
UniProt Related Accession #	P14095
GenBank Nucleotide #	NM_030845.1
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1
NCBI Official Symbol	Cxcl1
NCBI Official Synonym Symbols	Gro1; CINC-1
UniProt Protein Name	Growth-regulated alpha protein

UniProt Synonym Protein Names	C-X-C motif chemokine 1; Cytokine-induced neutrophil chemoattractant 1; CINC-1; Platelet-derived growth factor-inducible protein KC
Protein Family	Growth-regulated alpha protein
UniProt Gene Name	Cxcl1
UniProt Synonym Gene Names	Cinc1; Gro; Scyb1; CINC-1
UniProt Entry Name	GROA_RAT
NCBI Protein Information	growth-regulated alpha protein; C-X-C motif chemokine 1; chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha); cytokine-induced neutrophil chemoattractant 1; platelet-derived growth factor-inducible protein KC
NCBI Summary for CXCL1	acts as a neutrophil chemoattractant; may play a role in acute phase inflammatory response [RGD, Feb 2006]
UniProt Comments for CXCL1	CXCL2: 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. Belongs to the intercrine alpha (chemokine CxC) family. Protein type: Secreted; Secreted, signal peptide; Motility/polarity/chemotaxis Cellular Component: extracellular space Molecular Function: growth factor activity; chemokine activity; CXCR chemokine receptor binding Biological Process: neutrophil chemotaxis; response to amphetamine; positive regulation of potassium ion transport; response to glucocorticoid stimulus; response to lipopolysaccharide; positive regulation of leukocyte chemotaxis; response to estradiol stimulus; regulation of cell proliferation; G-protein coupled receptor protein signaling pathway; elevation of cytosolic calcium ion concentration; response to heat; positive regulation of superoxide release; response to molecule of bacterial origin; response to gamma radiation; immune response; acute inflammatory response
Research Articles on CXCL1	**1.** IL-1beta-mediated regulation of the CXCL1 and CXCL2 genes in pancreatic beta-cells requires stimulus-induced changes in histone chemical modifications, recruitment of the NF-kappaB and STAT1 transcription factors to genomic regulatory sequences within the proximal gene promoters, and increases in phosphorylated forms of RNA polymerase II.
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