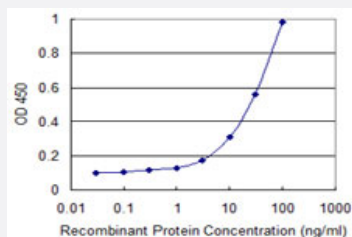


CXCL1 monoclonal antibody (M03), clone 2D7

Catalog # H00002919-M03

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CXCL1 is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CXCL1.
Immunogen	CXCL1 (AAH11976, 1 a.a. ~ 107 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MARAALSAAPSNPRLLRVALLLLLVAAGRRAAGASVATELRCQCLQTLQGIHPKNIQSVNVKSP GPHCAQTEVIATLKNRKAACLNPA SPVKKIIEKMLNSDKSN
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CXCL1 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CXCL1

Entrez GeneID [2919](#)

GeneBank Accession# [BC011976](#)

Protein Accession# [AAH11976](#)

Gene Name CXCL1

Gene Alias FSP, GRO1, GROa, MGSA, MGSA-a, NAP-3, SCYB1

Gene Description chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)

Omim ID [155730](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CXC chemokines are further subdivided into ELR and non-ELR types based on the presence or absence of a glu-leu-arg sequence adjacent and N terminal to the CXC motif. ELR types are chemotactic for neutrophils, while non-ELR types are chemotactic for lymphocytes.[supplied by OMIM]

Other Designations

GRO1 oncogene (melanoma growth stimulating activity, alpha)|GRO1 oncogene (melanoma growth-stimulating activity)|MGSA alpha|chemokine (C-X-C motif) ligand 1|fibroblast secretory protein|melanoma growth stimulatory activity alpha

Publication Reference

- [Biomarkers for Inflammatory Disease and Methods of Using Same.](#)

Carolyn Cuff, Melanie C. Ruzek, Jeffrey W. Voss.

United States Patent Application Publication 2016 Jan; [Epub].

Application: IF, WB, Human, Lymphocyte

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Ovarian Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)