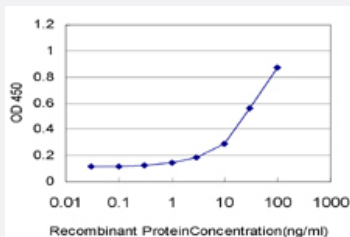


# CXCL12 monoclonal antibody (M03), clone 1F10

Catalog # H00006387-M03

Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CXCL12 is approximately 1ng/ml as a capture antibody.

## Specification

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full length recombinant CXCL12.                                            |
| <b>Immunogen</b>                     | CXCL12 (AAH39893.1, 1 a.a. ~ 89 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | MNAKVVVVLVLVTALCLSDGKPVSLSYRCPCRFFESHVARANVKHLKILNTPNCALQIVARLKN<br>NRQVCIDPKLKWIQEYLEKALNK                           |
| <b>Host</b>                          | Mouse                                                                                                                 |
| <b>Reactivity</b>                    | Human                                                                                                                 |
| <b>Interspecies Antigen Sequence</b> | Mouse (93); Rat (92)                                                                                                  |
| <b>Isotype</b>                       | IgG2b Kappa                                                                                                           |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.                                                                        |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                     |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                              |

## Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CXCL12 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — CXCL12

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">6387</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GeneBank Accession# | <a href="#">BC039893</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Protein Accession#  | <a href="#">AAH39893.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Name           | CXCL12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Alias          | PBSF, SCYB12, SDF-1a, SDF-1b, SDF1, SDF1A, SDF1B, TLSF-a, TLSF-b, TPAR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Description    | chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">600835 609423</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Summary        | For background information on chemokines, see CXCL1 (MIM 155730). Stromal cell-derived factors 1-alpha and 1-beta are small cytokines that belong to the intercrine family, members of which activate leukocytes and are often induced by proinflammatory stimuli such as lipopolysaccharide, TNF (see MIM 191160), or IL1 (see MIM 147760). The intercrines are characterized by the presence of 4 conserved cysteines which form 2 disulfide bonds. They can be classified into 2 subfamilies. In the CC subfamily, which includes beta chemokine, the cysteine residues are adjacent to each other. In the CXC subfamily, which includes alpha chemokine, they are separated by an intervening amino acid. The SDF1 proteins belong to the latter group.[supplied by OMIM] |
| Other Designations  | OTTHUMP00000019491 stromal cell-derived factor 1 delta stromal cell-derived factor 1 gamma stromal cell-derived factor 1a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)

- [Cytokine-cytokine receptor interaction](#)
- [Leukocyte transendothelial migration](#)

## Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [AIDS Dementia Complex](#)
- [Alzheimer disease](#)
- [Anthropology](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Blast Crisis](#)
- [Blindness](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Central Nervous System Diseases](#)
- [Central Nervous System Neoplasms](#)
- [Cerebral Hemorrhage](#)
- [Chlamydia Infections](#)

- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Flaviviridae Infections](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Neoplasms](#)
- [Hemophilia A](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Hodgkin Disease](#)
- [HTLV-I Infections](#)
- [Hyperlipidemias](#)
- [Hypersensitivity](#)
- [Hypertension](#)

- [Inflammation](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Migraine Disorders](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Myocardial Infarction](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
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- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Retinal Diseases](#)

- [Salivary Gland Neoplasms](#)
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- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
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- [Trachoma](#)
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- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Waldenstrom Macroglobulinemia](#)