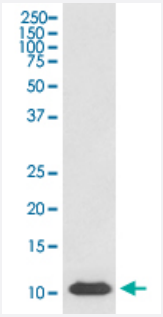
CXCL12 monoclonal antibody, clone IFO-3

Catalog # MAB20697 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with CXCL12 monoclonal antibody, clone IFO-3 (Cat # MAB20697).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CXCL12.
Immunogen	A synthetic peptide corresponding to human CXCL12.
Host	Rabbit
Theoretical MW (kDa)	10.666
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry
- Western Blot (Cell lysate)

  Western Blot analysis of Jurkat cell lysate with CXCL12 monoclonal antibody, clone IFO-3 (Cat # MAB20697).

Gene Info — CXCL12

Entrez GeneID	6387
Protein Accession#	P48061
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	600835 609423
Gene Ontology	Hyperlink
Gene Summary	For background information on chemokines, see CXCL1 (MIM 155730). Stromal cell-derived fact ors 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 prese nce of 4 conserved cysteines which form 2 disulfide bonds. They can be classified into 2 subfamili es. In the CC subfamily, which includes beta chemokine, the cysteine residues are adjacent to ea ch other. In the CXC subfamily, which includes alpha chemokine, they are separated by an interve ning 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|s tromal cell-derived factor 1a

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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

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- 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

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- 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
- Neuropsychological Tests
- Osteoporosis
- Ovarian Failure
- Pregnancy Complications

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- Prostate cancer
- Prostatic Neoplasms
- Rectal Neoplasms
- Recurrence
- Retinal Diseases
- Salivary Gland Neoplasms
- Scleroderma
- Sexually Transmitted Diseases
- Skin Ulcer
- Stroke
- Subarachnoid Hemorrhage
- Substance Abuse
- Thyroid Diseases
- Trachoma
- Tuberculosis
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Waldenstrom Macroglobulinemia

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