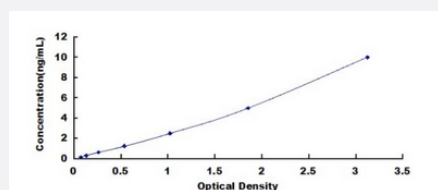


SDF1 (Human) ELISA Kit

Catalog # KA5329 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	SDF1 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative measurement of human SDF1 in plasma, serum and biological fluids.
Suitable Sample	Plasma, Serum and Biological fluid
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.156 - 10 ng/mL.
Limit of Detection	0.061 ng/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store TMB Substrate, Wash Buffer (30X concentrate) and the Stop Solution at 4°C upon receipt while the others should be at -20°C

Applications

- Quantification

Gene Info — CXCL12

Entrez GeneID [6387](#)

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 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](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pregnancy Complications](#)
- [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](#)