

Datasheet for ABIN116231
anti-CXCL12 antibody (Biotin)



[Go to Product page](#)

Overview

Quantity:	25 µg
Target:	CXCL12
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CXCL12 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (>98%) E.coli derived recombinant Human SDF1-beta.
Isotype:	IgG
Specificity:	This antibody reacts with Stromal Cell Derived Factor-1 beta (SDF-1 beta).
Purification:	Affinity Chromatography.

Target Details

Target:	CXCL12
Alternative Name:	CXCL12 / SDF1 (CXCL12 Products)
Background:	SDF1 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 or IL1. SDF1 alpha has been shown to be chemotactic for lymphocytes and is recently reported to be a ligand for CXCR4 (LESTR/fusin), a co-receptor for HIV1 entry

Target Details

	into T cells. SDF-1 binding to CXCR4 inhibits HIV1 entry.Synonyms: C-X-C motif chemokine 12, IRH, Interocrine reduced in hepatomas, PBSF, Pre-B cell growth-stimulating factor, SDF1A, SDF1B, Stromal cell-derived factor 1, hIRH
Gene ID:	6387
NCBI Accession:	NP_000600
UniProt:	P48061
Pathways:	Regulation of Cell Size , CXCR4-mediated Signaling Events , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	ELISA: To detect hSDF-1-beta by direct ELISA (using 100 l/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 µg/mL. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant hSDF-1-beta. Western Blot: To detect hSDF-1-beta by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hSDF-1-beta is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Reconstitution:	Centrifuge vial prior to opening! Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS, pH 7.2 without preservatives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody prior to reconstitution at -20 °C. Following reconstitution the antibody can be stored at 2-8 °C for one month or at -20 °C for longer.