

Product datasheet for **PP1068P1**

SDF1 (CXCL12) (beta) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	Sandwich ELISA: To detect Human SDF-1 beta by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. PP1068P antibody, in conjunction with Biotinylated Anti-Human SDF-1 beta (PP1068B1 or PP1068B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human SDF-1 beta. Western Blot: To detect Human SDF-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 Human SDF-1 bet is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	<i>E. Coli</i> derived Recombinant recombinant Human SDF-1 beta
Specificity:	Reacts with Stromal Cell Derived Factor-1 beta (SDF-1 beta).
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Centrifuge vial prior to opening! Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	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. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	C-X-C motif chemokine ligand 12



[View online »](#)

Database Link: [Entrez Gene 6387 Human P48061](#)

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 into T cells. SDF-1 binding to CXCR4 inhibits HIV1 entry.

Synonyms: Stromal cell-derived factor 1, SDF1A, SDF1B, IRH, hIRH, PBSF

Note: **Molecular Weight:** ~150 kDa

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Axon guidance, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Leukocyte transendothelial migration