

## Product datasheet for **PP1068P2**

### **SDF1 (CXCL12) (beta) Goat Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	<b>Sandwich ELISA:</b> 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. <b>Western Blot:</b> 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 hSDF-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



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<b>Database Link:</b>	<a href="#">Entrez Gene 6387 Human P48061</a>
<b>Background:</b>	<p>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.</p> <p>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.</p>
<b>Synonyms:</b>	Stromal cell-derived factor 1, SDF1A, SDF1B, IRH, hIRH, PBSF
<b>Note:</b>	<b>Molecular Weight:</b> ~150 kDa
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
<b>Protein Pathways:</b>	Axon guidance, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Leukocyte transendothelial migration