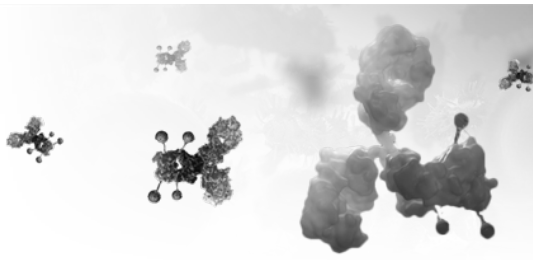

Anti-CXCL12 polyclonal antibody (CPBT-68003GM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Goat anti Mouse SDF-1 alpha antibody recognizes mouse SDF-1 alpha, otherwise known as CXCL12a, a stromal cell derived CXC chemokine which, together with SDF-1 beta, arises from alternative splicing of the SDF-1 gene, and acts as a chemoattractant for T and B lymphocytes, monocytes and migratory neurons. SDF-1 binds with high-affinity to the G protein–coupled receptor CXCR4 (fusin), and acts as an inhibitor of the CXCR4-mediated entry of HIV-1 virus into target T-cells. ELISA This antibody may be used in an indirect ELISA or as a capture reagent in a sandwich ELISA with B as the detection antibody and PMP77 as the standard.
Specificity	SDF-1 ALPHA
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Conjugate	Unconjugated
Applications	ELISA; FA; WB
Format	Purified IgG - lyophilised
Size	100 µg
Preservative	None
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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GENE INFORMATION

Gene Name	Cxcl12 chemokine (C-X-C motif) ligand 12 [Mus musculus (house mouse)]
Official Symbol	CXCL12
Synonyms	CXCL12; chemokine (C-X-C motif) ligand 12; Pbsf; Sdf1; Tlsf; Tpar1; Scyb12; stromal cell-derived factor 1; pre-B-cell growth-stimulating factor; thymic lymphoma cell-stimulating factor; 12-O-tetradecanoylphorbol 13-acetate repressed protein 1; SDF-1 ALPHA
Entrez Gene ID	20315
Protein Refseq	NP_001012495
UniProt ID	P40224
Chromosome Location	6 F1; 6 54.81 cM
Pathway	Axon guidance; Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; G alpha (i) signalling events;
Function	CXCR chemokine receptor binding; chemokine activity; chemokine receptor binding; cytokine activity; growth factor activity;

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