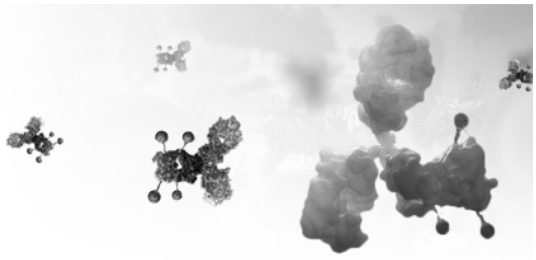

# Anti-CXCR4 (aa 14-40) polyclonal antibody (CPBT-65061GM)

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

## PRODUCT INFORMATION

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| **Product Overview** | This product recognises an epitope within the N-terminal (NT) region of mouse CD184, otherwise known as CXCR4 (C-X-C chemokine receptor type 4), a transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, ubiquitously expressed in blood and tissue cells, which acts as a specific receptor for the chemokine SDF-1 (Stromal cell-derived factor 1). Interaction of CD184 with SDF-1 mediates the chemotaxis of progenitor and mature blood cells, and is critical for B-lymphopoiesis and myelopoiesis. CD184 is a major co-receptor for infection by T-cell tropic strains of HIV1, and also a primary receptor for some HIV2 isolates. is reported as suitable for use in immunocytochemistry on mouse spleen leucocytes. ELISA This product is suitable for use in indirect ELISA applications. |
| **Specificity** | CXCR4 |
| **Immunogen** | Synthetic peptide YSEEVGSGDYDSNKEPCFRDENVHFNR corresponding to amino acids 14-40 within the N-terminal region of mouse CD184. |
| **Isotype** | IgG |
| **Source/Host** | Goat |
| **Species Reactivity** | Mouse, Xenopus |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA; IHC-P; WB |
| **Format** | Purified IgG - liquid |
| **Size** | 100 µg |
| **Preservative** | 0.1% Sodium Azide |

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| **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. |

# GENE INFORMATION

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|---|---|
| **Gene Name** | Cxcr4 chemokine (C-X-C motif) receptor 4 [ Mus musculus (house mouse) ] |
| **Official Symbol** | CXCR4 |
| **Synonyms** | CXCR4; chemokine (C-X-C motif) receptor 4; CD184; LESTR; Sdf1r; Cmkar4; PB-CKR; b2b220Clo; PBSF/SDF-1; C-X-C chemokine receptor type 4; fusin; CXC-R4; CXCR-4; SDF-1 receptor; chemokine receptor 4; chemokine (C-X-C) receptor 4; pre-B-cell-derived chemokine |
| **Entrez Gene ID** | 12767 |
| **Protein Refseq** | NP_034041 |
| **UniProt ID** | P70658 |
| **Chromosome Location** | 1 E4; 1 56.43 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; Endocytosis; |
| **Function** | C-X-C chemokine receptor activity; G-protein coupled receptor activity; actin binding; chemokine receptor activity; cytokine binding; drug binding; myosin light chain binding; protein binding; signal transducer activity; ubiquitin binding; ubiquitin protein ligase binding; |

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