

## Product datasheet for **TA590057**

### CXCR4 Rabbit Polyclonal Antibody

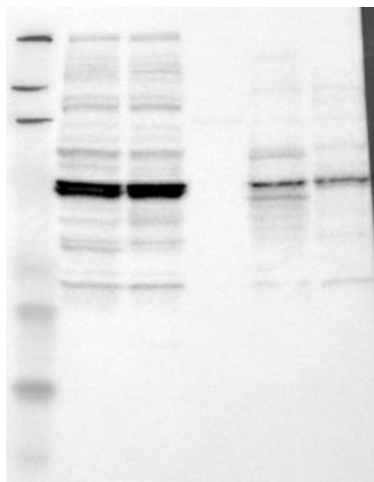
#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500; ELISA: 1:100-1:2000; IHC: 1:1000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the N Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	C-X-C motif chemokine receptor 4
Database Link:	<a href="#">NP_001008540</a> <a href="#">Entrez Gene 7852 Human</a> <a href="#">P61073</a>

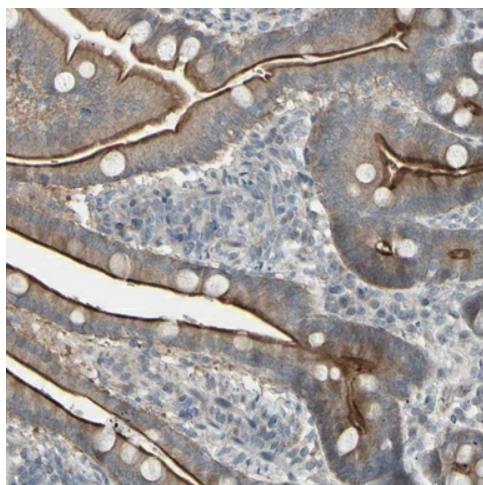


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- Background:** CD184, also known as fusin or CXCR4, is a 45 kD seven transmembrane G-protein-linked CXC chemokine receptor. CD184 is widely expressed on blood and tissue cells, including B and T cells, monocytes, macrophages, dendritic cells, granulocytes, megakaryocytes/platelets, lymphoid, myeloid precursor cells, endothelial cells, epithelial cells, astrocytes, and neurons, among other tissue cells. CD184 is the receptor for CXC chemokine SDF-1, mediates blood cell migration, and is involved in B lympho- and myelopoiesis, cardiogenesis, blood vessel formation and cerebellar development. CXCR4 is also a coreceptor of X4 HIV-1 and an alternative receptor for some isolates of HIV-2. The 12G5 antibody has been reported to block CD4-independent infection by HIV-2 and CD4-dependent infection by some T cell-tropic isolates of HIV-1.
- Synonyms:** CD184; D2S201E; FB22; HM89; HSY3RR; LAP-3; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPYY3R; WHIM
- Note:** This antibody was generated by SDIX's Genomic Antibody Technology® (GAT). [Learn about GAT](#)
- Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane
- Protein Pathways:** Axon guidance, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Leukocyte transendothelial migration

**Product images:**

Lane 1: Marker [kDa] 219, 111, 83, 48, 32, 26, 17;  
Lane 2: RT-4; Lane 3: U-251 MG; Lane 4: Human Plasma; Lane 5: Liver; Lane 6: Tonsil  
This validation was performed by Protein Atlas and the presentation of data is for informational purposes only.



Immunohistochemical staining of human duodenum shows distinct membranous and cytoplasmic positivity in glandular cells. This validation was performed by Protein Atlas and the presentation of data is for informational purposes only.