

**Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3)
Recombinant Antibody
Catalog # APR10043****Specification**

Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P49682
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) - Additional Information

Target/Specificity
CXCR3 / GPR9 / CD183

Endotoxin
< 0.001EU/ µg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) - Protein Information

Name CXCR3

Synonyms GPR9

Function
[Isoform 1]: Receptor for the C-X-C chemokine CXCL9, CXCL10 and CXCL11 and mediates the proliferation, survival and angiogenic activity of human mesangial cells (HMC) through a heterotrimeric G- protein signaling pathway (PubMed:12782716). Binds to CCL21. Probably promotes cell chemotaxis response. Upon activation by PF4, induces activated T-lymphocytes migration mediated via downstream Ras/extracellular signal-regulated kinase (ERK) signaling. [Isoform 3]: Mediates the activity of CXCL11.

Cellular Location

[Isoform 1]: Cell membrane; Multi-pass membrane protein

Tissue Location

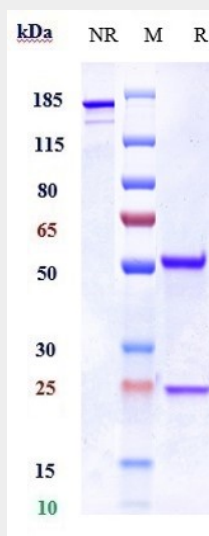
Isoform 1 and isoform 2 are mainly expressed in heart, kidney, liver and skeletal muscle. Isoform 1 is also expressed in placenta. Isoform 2 is expressed in endothelial cells. Expressed in T-cells (at protein level).

Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) - Protocols

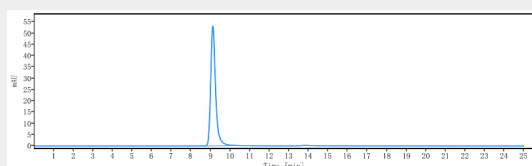
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

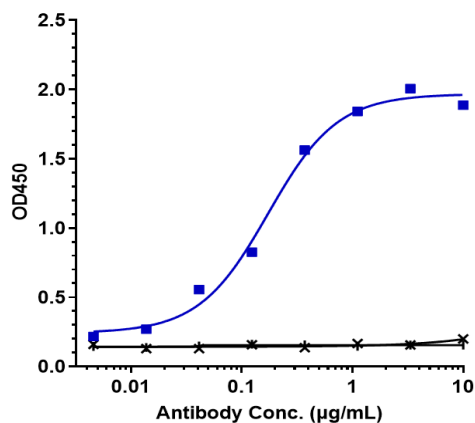
Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) - Images



Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) is more than 100% ,determined by SEC-HPLC.



Immobilized human CXCR3 VLP Protein at 8 µg/mL can bind Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) $EC_{50}=0.173 \mu\text{g/mL}$