

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

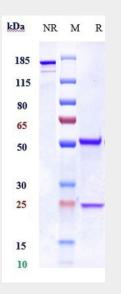
Isoform 1 and isoform 2 are mainly expressed in heart, kidney, liver and skeletal muscle. Isoform 1 is also expressed in placenta. Isoform 2 is expressed in endothelial cells. Expressed in T-cells (at protein level).

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

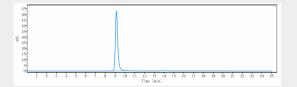
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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

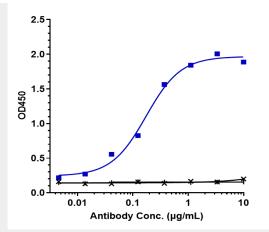


Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



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





Immobilized human CXCR3 VLP Protein at 8 μ g/mL can bind Anti-CXCR3 / GPR9 / CD183 Reference Antibody (Genzyme patent anti-CXCR3)]EC50=0.173 μ g/mL