

**CD183**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2688a****Specification**

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**CD183 - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, ICC, E        |
| Primary Accession | <a href="#">P49682</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | Mouse IgG1             |
| Calculated MW     | 40.7kDa KDa            |
| <b>Immunogen</b>  |                        |

Purified recombinant fragment of human CD183 (AA: extra mix) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CD183 - Additional Information**

**Gene ID** 2833

**Other Names**

CXCR3; GPR9; MigR; CD182; Mig-R; CKR-L2; CMKAR3; IP10-R

**Dilution**

WB~~ 1/500 - 1/2000

IHC~~1:100~500

ICC~~N/A

E~~ 1/10000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD183 is for research use only and not for use in diagnostic or therapeutic procedures.

**CD183 - 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:<a href="http://www.uniprot.org/citations/12782716" target="\_blank">12782716</a>). 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).

## CD183 - 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](#)

## CD183 - Images

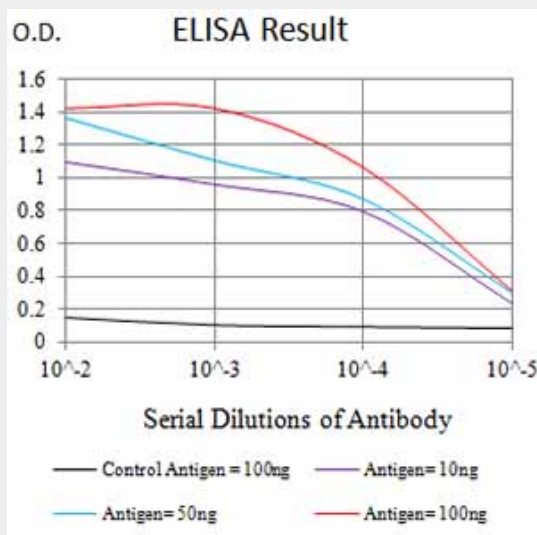


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

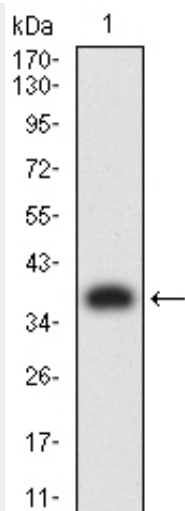


Figure 2: Western blot analysis using CD183 mAb against human CD183 (AA: extra mix) recombinant protein. (Expected MW is 38.3 kDa)

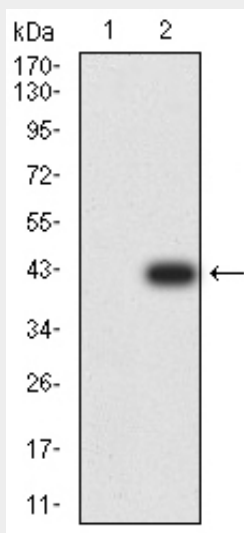


Figure 3: Western blot analysis using CD183 mAb against HEK293 (1) and CD183 (AA: extra mix)-hlgGFc transfected HEK293 (2) cell lysate.

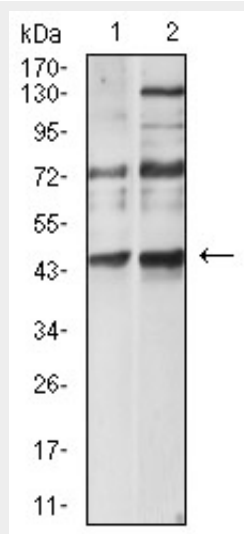


Figure 4: Western blot analysis using CD183 mouse mAb against Hela (1) and L-02 (2) cell lysate.

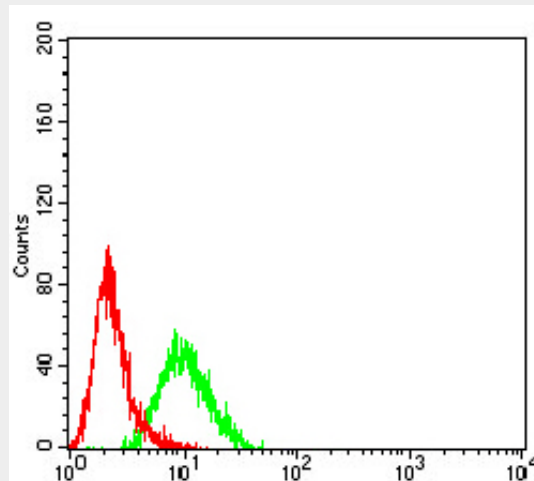


Figure 5: Flow cytometric analysis of HL-60 cells using CD183 mouse mAb (green) and negative control (red).

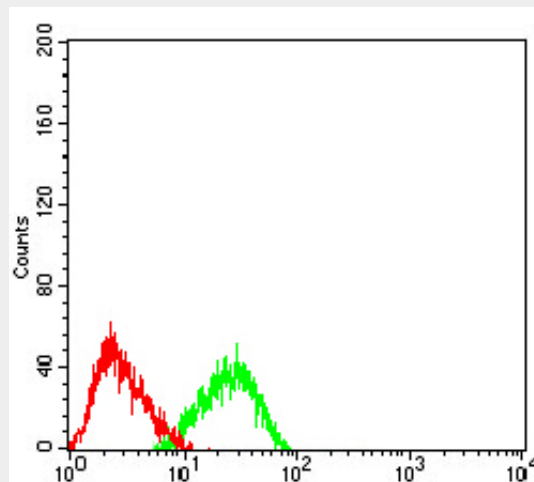


Figure 6: Flow cytometric analysis of Jurkat cells using CD183 mouse mAb (green) and negative control (red).

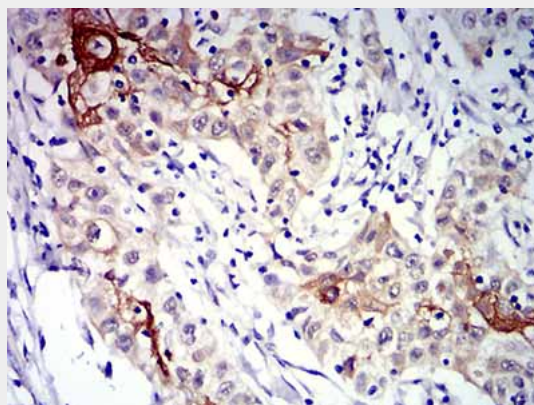


Figure 7: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD183 mouse mAb with DAB staining.

## CD183 - References

1.Hum Pathol. 2015 Dec;46(12):1872-80. 2.Breast Cancer Res Treat. 2015 Jan;149(2):403-15.