

# CD183

Purified Mouse Monoclonal Antibody  
Catalog # AO2688a

## Product Information

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<b>Application</b>	WB, IHC, ICC, E
<b>Primary Accession</b>	<a href="#">P49682</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	5C10B3
<b>Isotype</b>	Mouse IgG1
<b>Calculated MW</b>	40660
<b>Immunogen</b>	Purified recombinant fragment of human CD183 (AA: extra mix) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide

## Additional Information

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<b>Gene ID</b>	2833
<b>Other Names</b>	CXCR3; GPR9; MigR; CD182; Mig-R; CKR-L2; CMKAR3; IP10-R
<b>Dilution</b>	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
<b>Storage</b>	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.
<b>Precautions</b>	CD183 is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CXCR3
<b>Synonyms</b>	GPR9
<b>Function</b>	[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="#">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).

## References

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

## Images

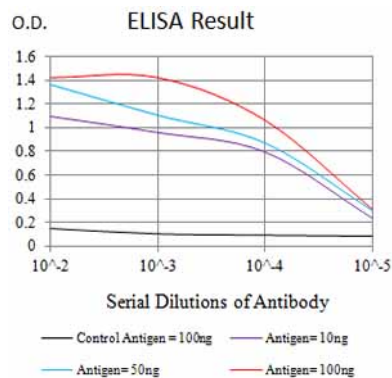


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

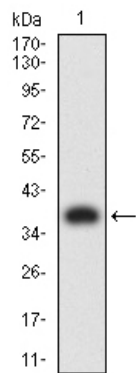


Figure 2:Western blot analysis using CD183 mAb against human CD183 (AA: extra mix) recombinant protein. (Expected MW is 38.3 kDa)

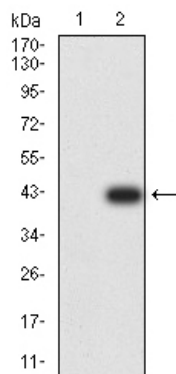


Figure 3:Western blot analysis using CD183 mAb against HEK293 (1) and CD183 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

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

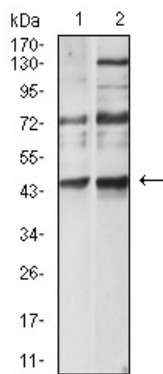


Figure 5:Flow cytometric analysis of HL-60 cells using CD183 mouse mAb (green) and negative control (red).

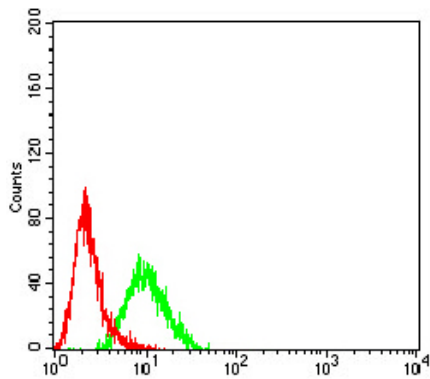


Figure 6:Flow cytometric analysis of Jurkat cells using CD183 mouse mAb (green) and negative control (red).

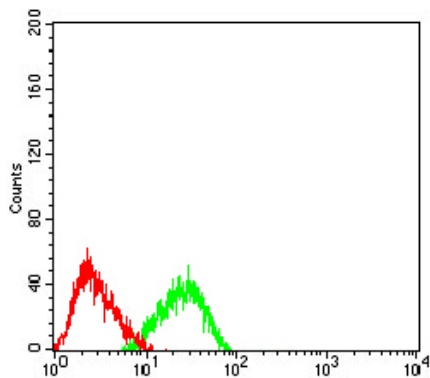
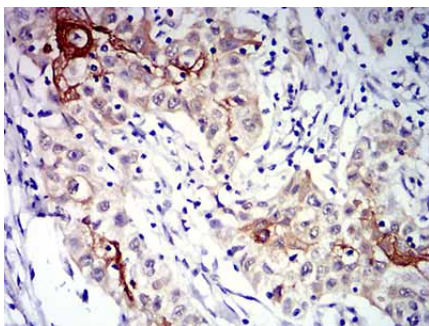


Figure 7:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD183 mouse mAb with DAB staining.



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