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CD183

Purified Mouse Monoclonal Antibody
Catalog # AO2688a

Product Information

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

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.

Protein Information

Name	CXCR3
Synonyms	GPR9
Function	[Isoform 1]: Receptor for the C-X-C chemokines 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). Probably promotes cell chemotaxis response. Upon activation by PF4, induces activated T- lymphocyte 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

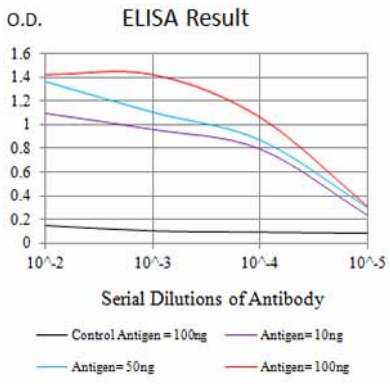


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

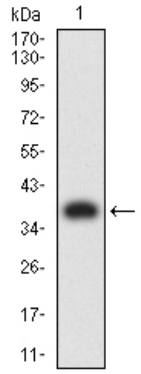


Figure 2:Western blot analysis using CD183 mAb against human CD183 (AA: extra mix) recombinant protein. (Expected MW is 38.3 kDa)

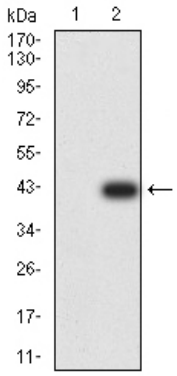
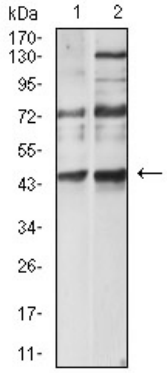


Figure 3:Western blot analysis using CD183 mAb against HEK293 (1) and CD183 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

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



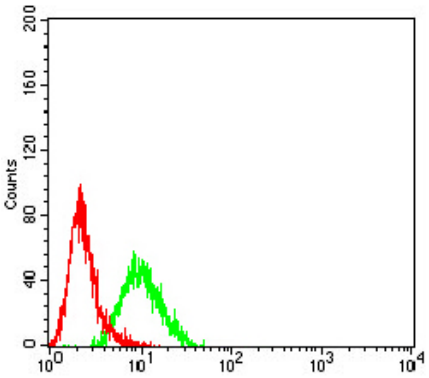


Figure 5:Flow cytometric analysis of HL-60 cells using CD183 mouse mAb (green) and negative control (red).

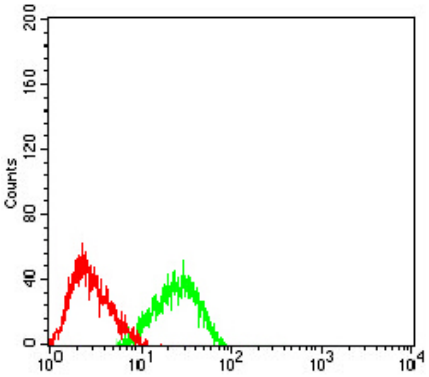


Figure 6:Flow cytometric analysis of Jurkat cells using CD183 mouse mAb (green) and negative control (red).

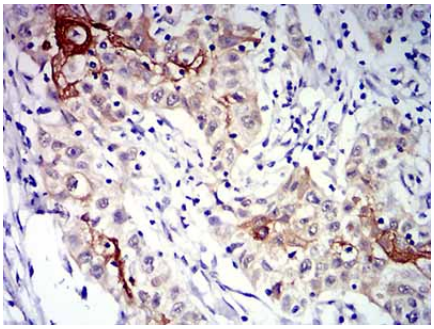


Figure 7:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD183 mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.