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CD191

Purified Mouse Monoclonal Antibody
Catalog # AO2723a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P32246
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8E10G6
Isotype	Mouse IgG1
Calculated MW	41173
Immunogen	Purified recombinant fragment of human CD191 (AA: extra mix) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	1230
Other Names	CCR1; CKR1; CKR-1; HM145; CMKBR1; MIP1aR; SCYAR1
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	CD191 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCR1
Synonyms	CMKBR1, CMKR1, SCYAR1
Function	Chemokine receptor that plays a crucial role in regulating immune cell migration, inflammation, and immune responses (PubMed:14991608). Contributes to the inflammatory response by recruiting immune cells, such as monocytes, macrophages, T-cells, and dendritic cells, to sites of inflammation for the clearance of pathogens and the resolution of tissue damage. When activated by its ligands including CCL3, CCL5-9, CCL13-16 and CCL23, triggers a signaling cascade within immune cells, leading to their migration towards

the source of the chemokine (PubMed:15905581, PubMed:38417634). For example, mediates neutrophil migration after activation by CCL3 leading to the sequential release of TNF and leukotriene B4 (By similarity). Also mediates monocyte migration upon CXCL4 binding (PubMed:29930254). Activation by CCL5 results in neuroinflammation through the ERK1/2 signaling pathway (By similarity).

Cellular Location Cell membrane; Multi-pass membrane protein

Tissue Location Widely expressed in different hematopoietic cells.

References

1.Histol Histopathol. 2014 Sep;29(9):1153-60.2.Am J Clin Pathol. 2010 Mar;133(3):473-83.

Images

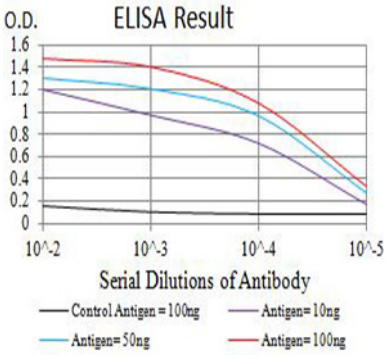


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

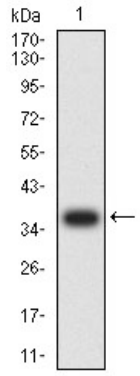


Figure 2:Western blot analysis using CD191 mAb against human CD191 (AA: extra mix) recombinant protein. (Expected MW is 37 kDa)

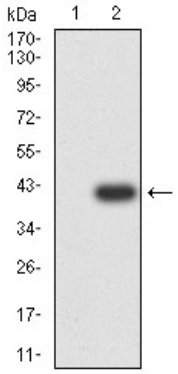
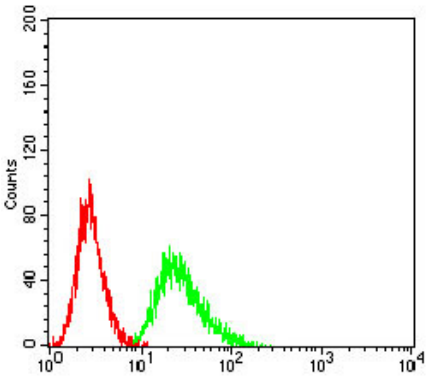


Figure 3:Western blot analysis using CD191 mAb against HEK293 (1) and CD191 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Flow cytometric analysis of Ramos cells using



CD191 mouse mAb (green) and negative control (red).

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