

# CD191

Purified Mouse Monoclonal Antibody Catalog # AO2724a

#### **Product Information**

**Application** WB, IHC, ICC, E

Primary Accession
Reactivity
Human
Host
Mouse
Clonality
Monoclonal
Clone Names
Isotype
Mouse IgG1
Calculated MW
Monoclonal
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). For example, mediates neutrophil migration after activation by CCL3 leading to the sequential release of TNF-alpha 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**

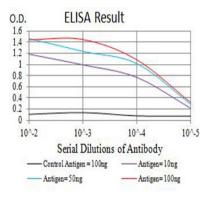


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

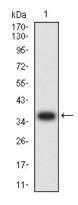


Figure 2:Western blot analysis using CD191 mAb against human CD191 (AA: extra mix) recombinant protein. (Expected MW is 37 kDa)

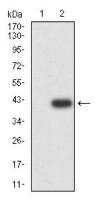
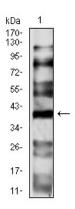


Figure 3:Western blot analysis using CD191 mAb against HEK293 (1) and CD191 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using CD191 mouse mAb against HepG2 (1) cell lysate.



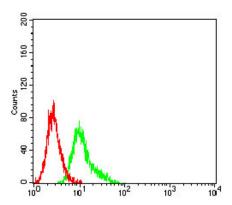


Figure 5:Flow cytometric analysis of Ramos cells using CD191 mouse mAb (green) and negative control (red).

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