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CD195

Purified Mouse Monoclonal Antibody
Catalog # AO2654a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P51681
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6H3D5
Isotype	Mouse IgG1
Calculated MW	40524
Immunogen	Purified recombinant fragment of human CD195 (AA: extra mix) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	1234
Other Names	CCR5; CKR5; CCR-5; CKR-5; CCCKR5; CMKBR5; IDDM22; CC-CKR-5
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	CD195 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCR5 (HGNC:1606)
Synonyms	CMKBR5
Function	Receptor for a number of inflammatory CC-chemokines including CCL3/MIP-1-alpha, CCL4/MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation. Participates in T-lymphocyte migration to the infection site by acting as a chemotactic receptor (PubMed:30713770).

Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Highly expressed in spleen, thymus, in the myeloid cell line THP-1, in the promyeloblastic cell line KG-1a and on CD4+ and CD8+ T-cells. Medium levels in peripheral blood leukocytes and in small intestine. Low levels in ovary and lung.

References

1.J Leukoc Biol. 2015 Jul;98(1):59-71. 2.J Gen Virol. 2015 Aug;96(8):2074-8.

Images

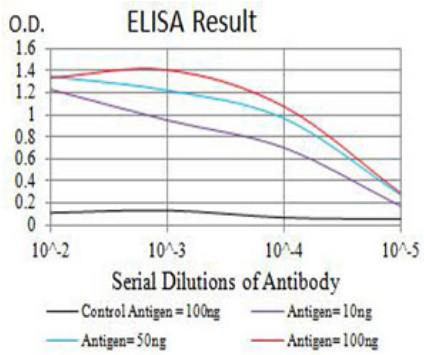


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

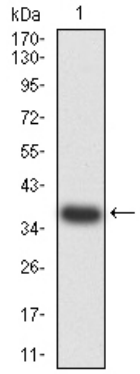


Figure 2:Western blot analysis using CD195 mAb against human CD195 (AA: extra mix) recombinant protein. (Expected MW is 36.7 kDa)

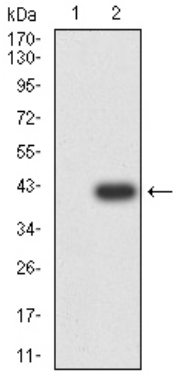
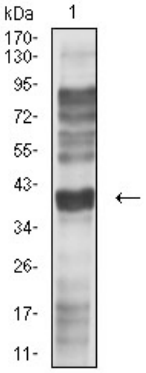


Figure 3:Western blot analysis using CD195 mAb against HEK293 (1) and CD195 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using CD195 mouse mAb against L-02 (1) cell lysate.



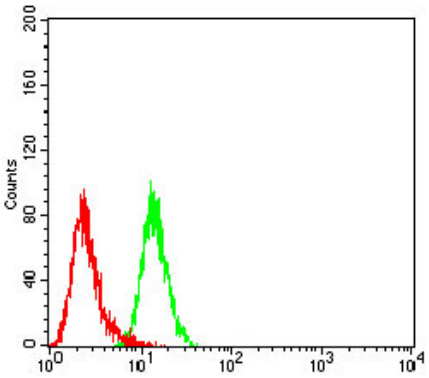


Figure 5:Flow cytometric analysis of HL-60 cells using CD195 mouse mAb (green) and negative control (red).

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