

CD195

Purified Mouse Monoclonal Antibody Catalog # AO2655a

Product Information

Application WB, IHC, ICC, E

Primary Accession
Reactivity
Host
Host
Clonality
Monoclonal
Clone Names
Isotype
Mouse IgG1
Calculated MW
MP51681
Human, Rat
Mouse
Mouse
Mouse
Monoclonal
GG11D1
Mouse IgG1
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~~ 1/200 - 1/1000 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

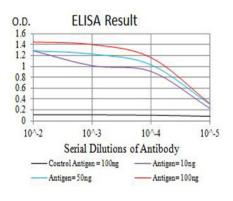


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

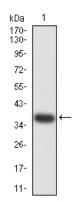


Figure 2:Western blot analysis using CD195 mAb against human CD195 (AA: extra mix) recombinant protein. (Expected MW is 36.7 kDa)

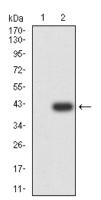
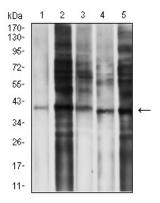


Figure 3:Western blot analysis using CD195 mAb against HEK293 (1) and CD195 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using CD195 mouse mAb against MOLT4 (1), L-02 (2), SPA-C-1 (3), A549 (4), and C6 (5) cell lysate.



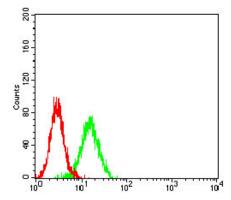


Figure 5:Flow cytometric analysis of K562 cells using CD195 mouse mAb (green) and negative control (red).

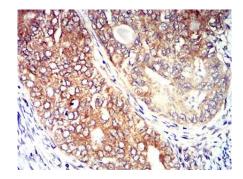


Figure 6:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CD195 mouse mAb with DAB staining.

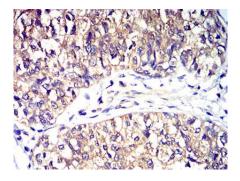


Figure 7:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD195 mouse mAb with DAB staining.

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