

CD195
Purified Mouse Monoclonal Antibody
Catalog # AO2655a**Specification**

CD195 - Product Information

Application	E, WB, FCM, IHC
Primary Accession	P51681
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	40.5kDa KDa

Immunogen

Purified recombinant fragment of human CD195 (AA: extra mix) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

CD195 - Additional Information

Gene ID 1234

Other Names

CCR5; CKR5; CCR-5; CKR-5; CCCKR5; CMKBR5; IDDM22; CC-CKR-5

Dilution

E~~ 1/10000
WB~~ 1/500 - 1/2000
FCM~~1/200 - 1/400
IHC~~ 1/200 - 1/1000

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.

CD195 - 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.

CD195 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD195 - Images

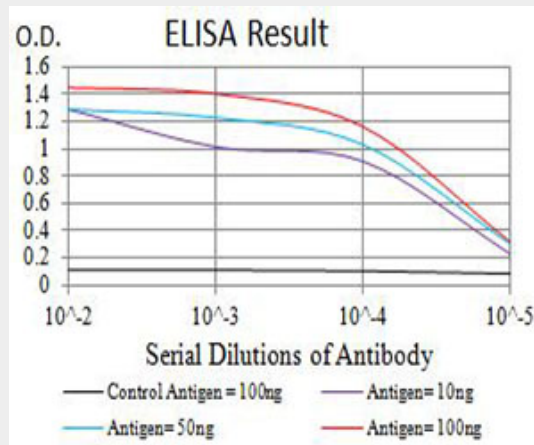


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

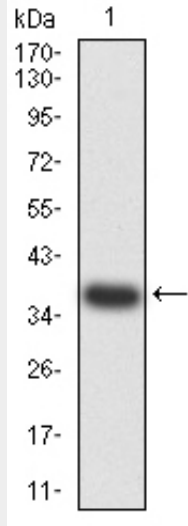


Figure 2:Western blot analysis using CD195 mAb against human CD195 (AA: extra mix) recombinant protein. (Expected MW is 36.7 kDa)

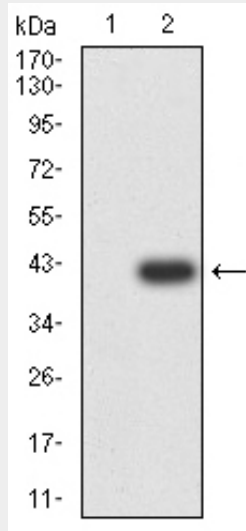


Figure 3:Western blot analysis using CD195 mAb against HEK293 (1) and CD195 (AA: extra mix)-hlgGfc transfected HEK293 (2) cell lysate.

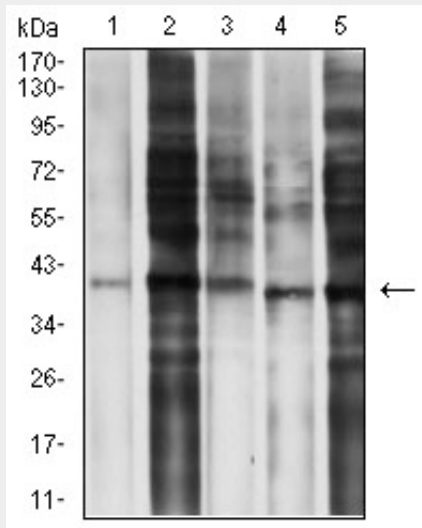


Figure 4:Western blot analysis using CD195 mouse mAb against MOLT4 (1), L-02 (2), SPA-C-1 (3), A549 (4), and C6 (5) cell lysate.

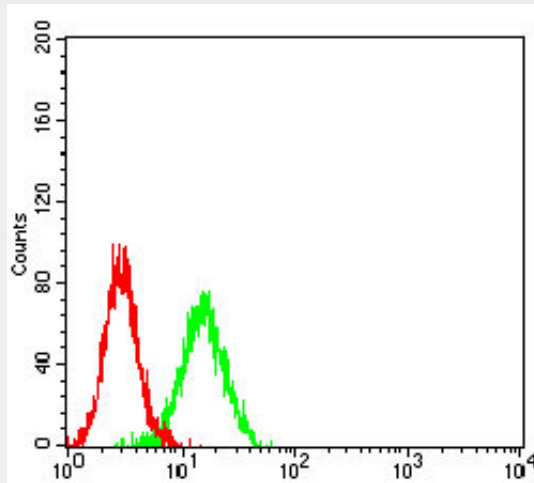


Figure 5:Flow cytometric analysis of K562 cells using CD195 mouse mAb (green) and negative control (red).

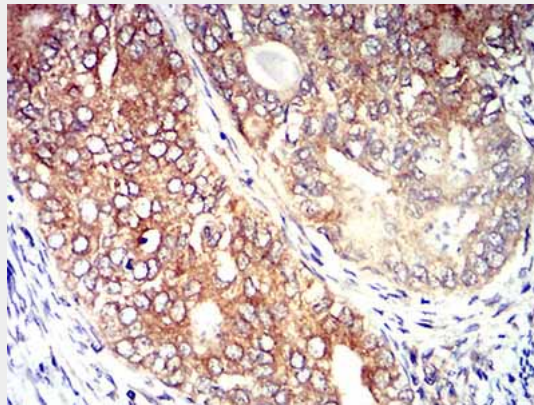


Figure 6:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CD195 mouse mAb with DAB staining.

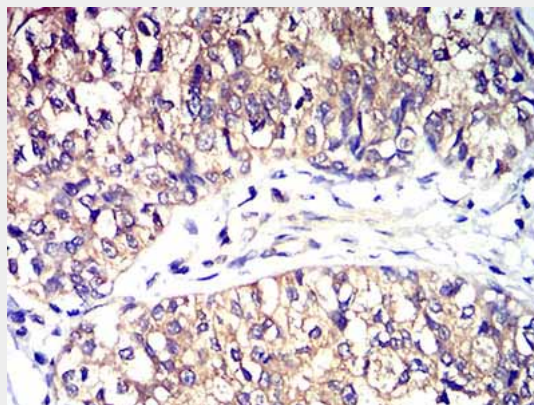


Figure 7:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD195 mouse mAb with DAB staining.

CD195 - References

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