

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

CD195 - Product Information

Application	WB, IHC, ICC, E
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; CCCR5; 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.

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

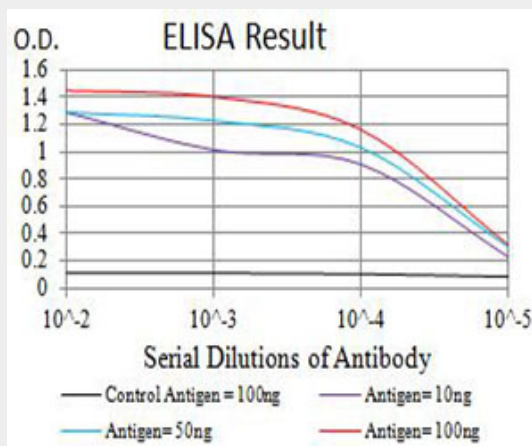


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

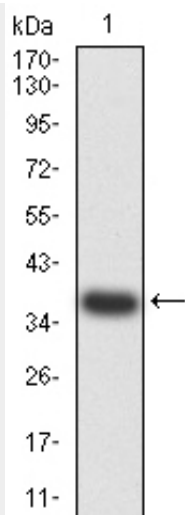


Figure 2: Western blot analysis using CD195 mAb against human CD195 (AA: extra mix) recombinant protein. (Expected MW is 36.7 kDa)

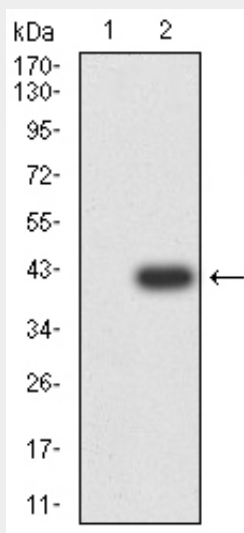


Figure 3: Western blot analysis using CD195 mAb against HEK293 (1) and CD195 (AA: extra mix)-hlgGFc transfected HEK293 (2) cell lysate.

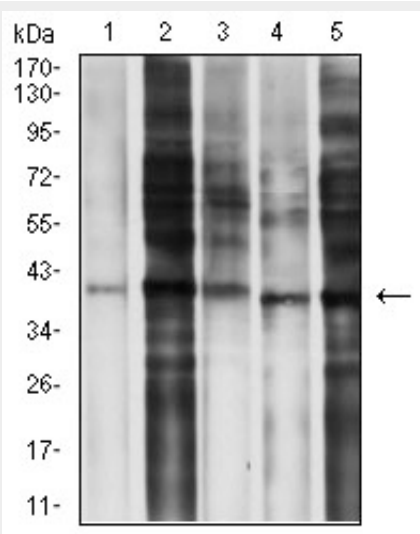


Figure 4: Western blot analysis using CD195 mouse mAb against MOLT4 (1), L-02 (2), SPA-C-1 (3), A549 (4), and C6 (5) cell lysate.

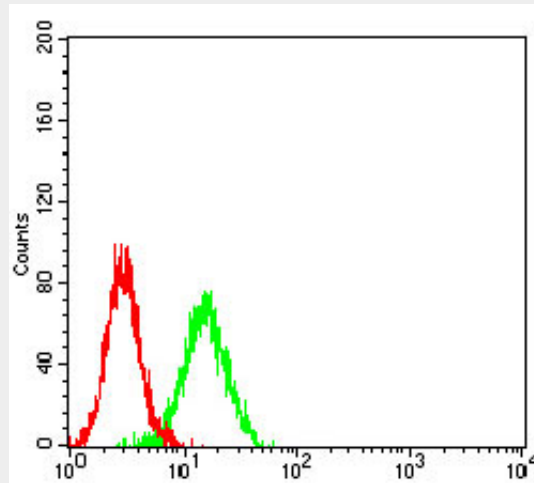


Figure 5: Flow cytometric analysis of K562 cells using CD195 mouse mAb (green) and negative control (red).

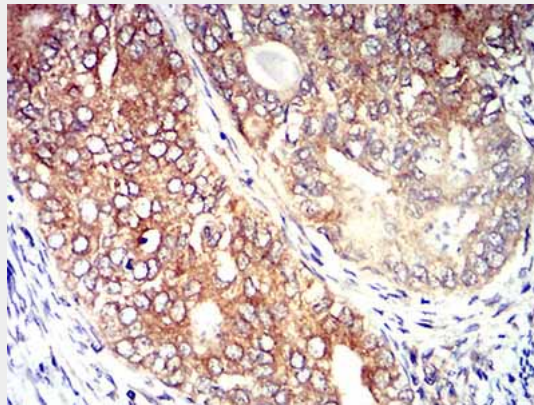


Figure 6: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CD195 mouse mAb with DAB staining.

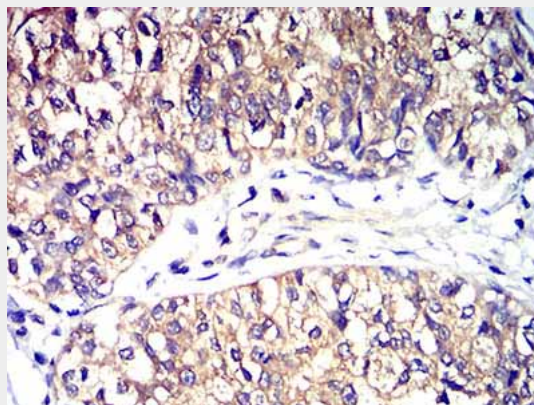


Figure 7: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD195 mouse mAb with DAB staining.

CD195 - References

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