

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

**Specification**

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**CD195 - Product Information**

Application	<b>E, WB, IHC</b>
Primary Accession	<a href="#">P51681</a>
Reactivity	<b>Human, Rat</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>40.5kDa KDa</b>

**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**

E~~ 1/10000  
WB~~ 1/500 - 1/2000  
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:<a href="http://www.uniprot.org/citations/30713770" target="\_blank">30713770</a>).

#### 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

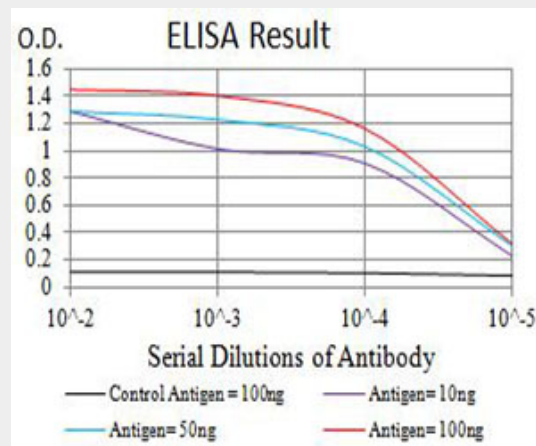


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

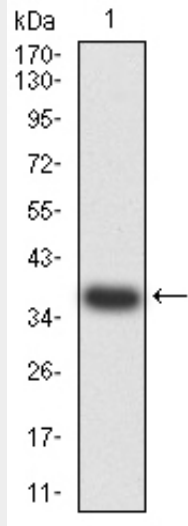


Figure 2:Western blot analysis using CD195 mAb against human CD195 (AA: extra mix) recombinant protein. (Expected MW is 36.7 kDa)

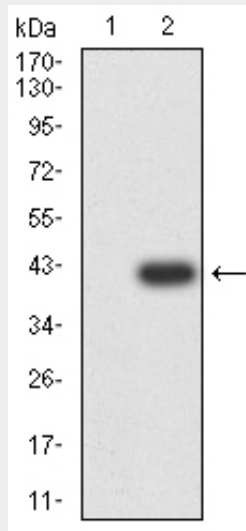


Figure 3:Western blot analysis using CD195 mAb against HEK293 (1) and CD195 (AA: extra mix)-hlgGfc transfected HEK293 (2) cell lysate.

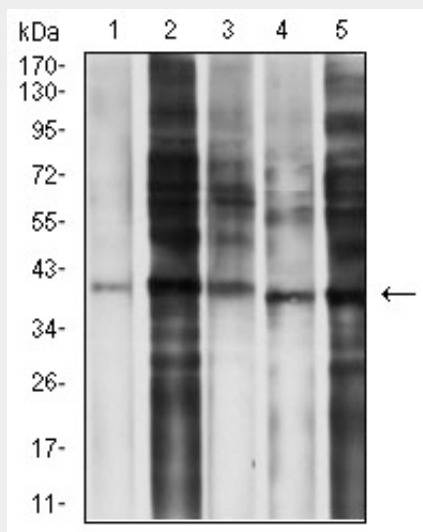


Figure 4:Western blot analysis using CD195 mouse mAb against MOLT4 (1), L-02 (2), SPA-C-1 (3), A549 (4), and C6 (5) cell lysate.

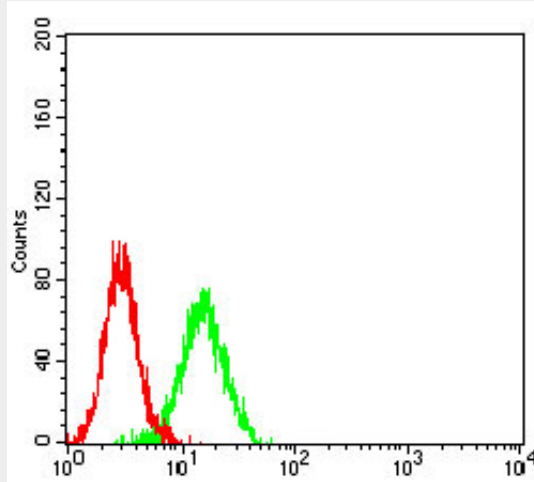


Figure 5:Flow cytometric analysis of K562 cells using CD195 mouse mAb (green) and negative control (red).

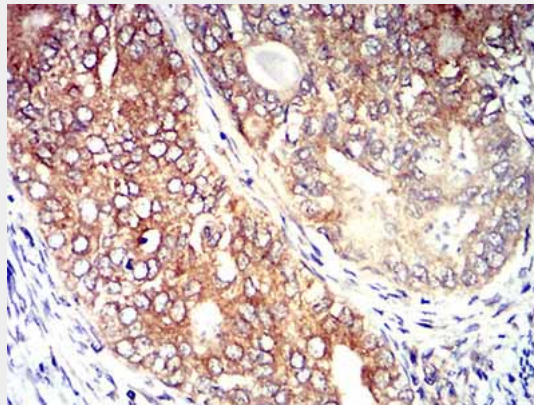


Figure 6:Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CD195 mouse mAb with DAB staining.

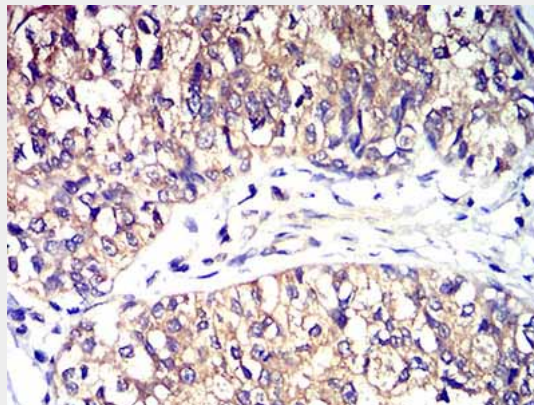


Figure 7:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD195 mouse mAb with DAB staining.

**CD195 - References**

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