

CD195

Purified Mouse Monoclonal Antibody Catalog # AO2654a

Product Information

| Application Primary Accession Reactivity Host Clonality Clone Names Isotype Calculated MW | WB, IHC, ICC, E <u>P51681</u> Human Mouse Monoclonal 6H3D5 Mouse IgG1 40524 Durified recombinent frogment of human CD105 (AA) outro min) outpressed in |
|--|--|
| 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 (<u>HGNC:1606</u>) |
|----------|---|
| 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: <u>30713770</u>). |

Cellular Location

Tissue Location

Cell membrane; Multi-pass membrane protein

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

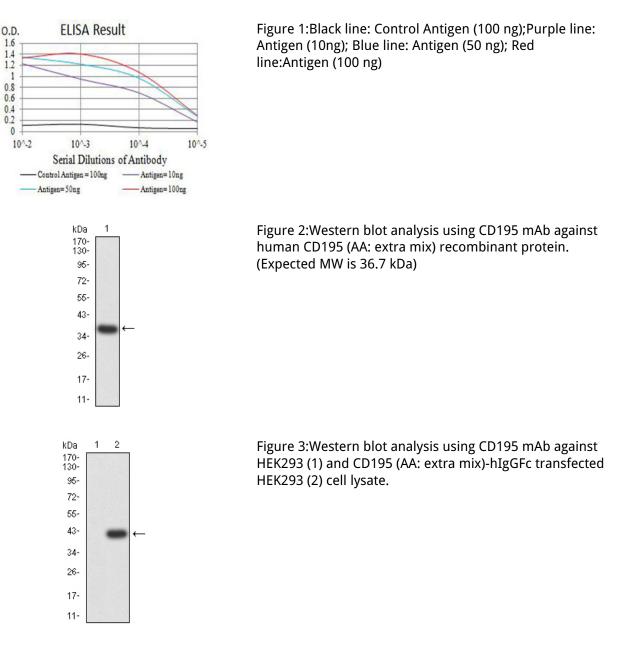


Figure 4:Western blot analysis using CD195 mouse mAb against L-02 (1) cell lysate.

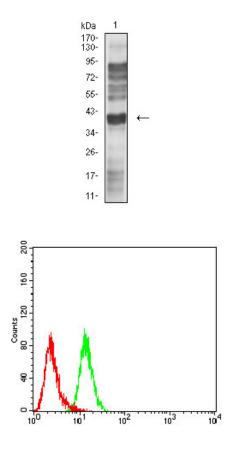


Figure 5:Flow cytometric analysis of HL-60 cells using CD195 mouse mAb (green) and negative control (red).

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