

**CD197**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2675a**

**Specification**

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**CD197 - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>E, WB</b>           |
| Primary Accession | <a href="#">P32248</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Mouse</b>           |
| Clonality         | <b>Monoclonal</b>      |
| Isotype           | <b>Mouse IgG1</b>      |
| Calculated MW     | <b>42.9kDa KDa</b>     |

**Immunogen**

Purified recombinant fragment of human CD197 (AA: extra mix) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CD197 - Additional Information**

**Gene ID** 1236

**Other Names**

BLR2; EBI1; CCR-7; CCR7; CDw197; CMKBR7; CC-CKR-7

**Dilution**

E~~ 1/10000  
WB~~ 1/500 - 1/2000

**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**

CD197 is for research use only and not for use in diagnostic or therapeutic procedures.

**CD197 - Protein Information**

**Name** CCR7

**Synonyms** CMKBR7, EBI1, EVI1

**Function**

Receptor for the MIP-3-beta chemokine. Probable mediator of EBV effects on B-lymphocytes or of normal lymphocyte functions.

### Cellular Location

Cell membrane; Multi-pass membrane protein.

### Tissue Location

Expressed in various lymphoid tissues and activated B- and T-lymphocytes, strongly up-regulated in B-cells infected with Epstein-Barr virus and T-cells infected with herpesvirus 6 or 7

### CD197 - 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](#)

### CD197 - Images

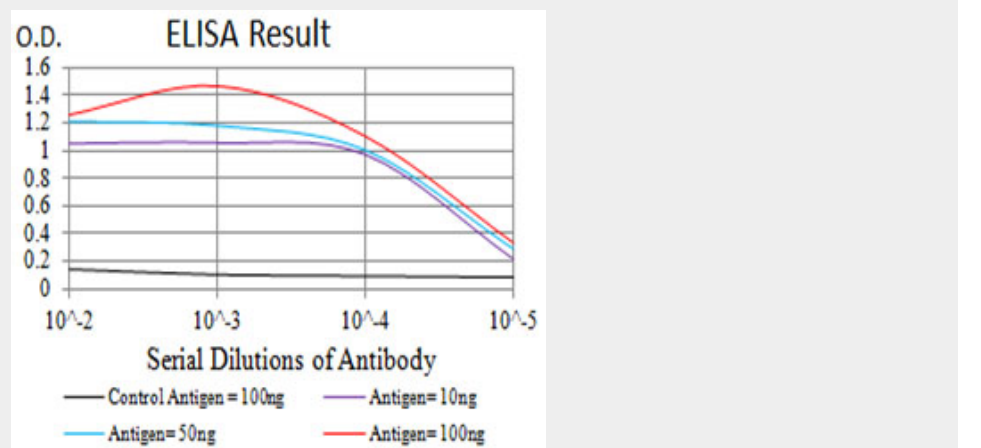


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

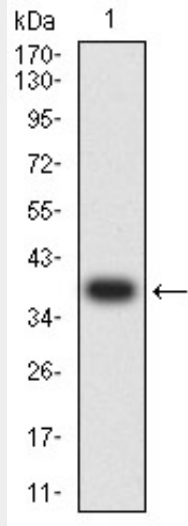


Figure 2:Western blot analysis using CD197 mAb against human CD197 (AA: extra mix) recombinant protein. (Expected MW is 37.5 kDa)

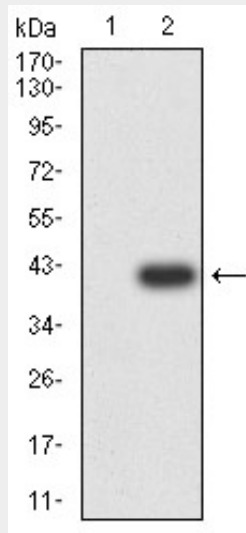


Figure 3:Western blot analysis using CD197 mAb against HEK293 (1) and CD197 (AA: extra mix)-hlgGfc transfected HEK293 (2) cell lysate.

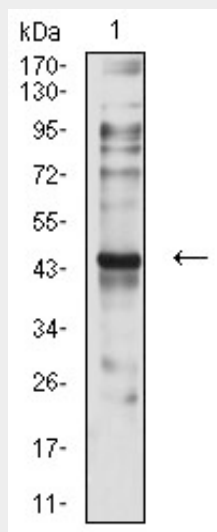


Figure 4:Western blot analysis using CD197 mouse mAb against C6 (1) cell lysate.

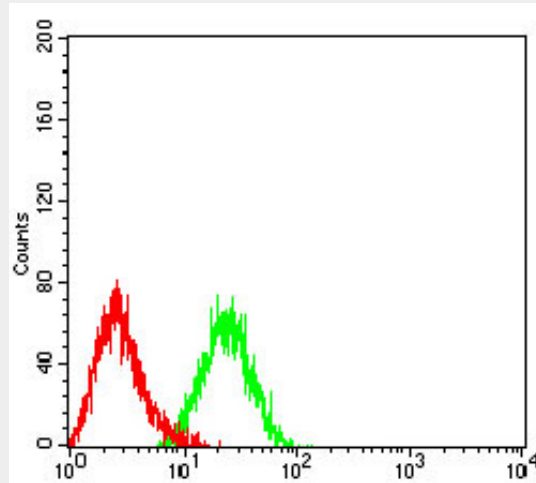


Figure 5:Flow cytometric analysis of HL-60 cells using CD197 mouse mAb (green) and negative control (red).

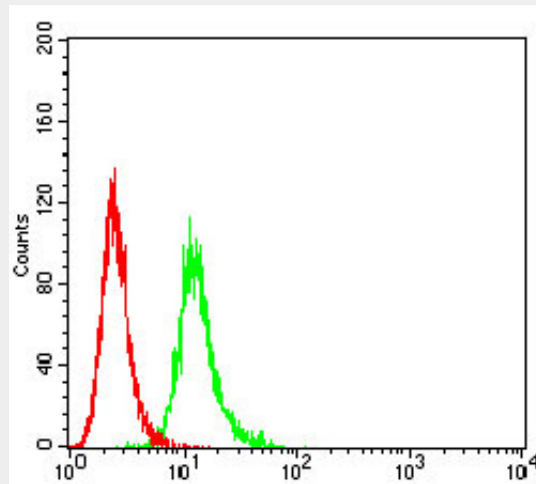


Figure 6:Flow cytometric analysis of K562 cells using CD197 mouse mAb (green) and negative control (red).

### CD197 - References

- 1.Gastric Cancer. 2017 Mar;20(2):235-245.2.J Surg Oncol. 2015 Jul;112(1):86-92.