

CD5 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1750a**Specification****CD5 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	P06127
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	54.6kDa KDa

Description

The human cd5 gene has two alternative exons 1: exon 1A (E1A) which encodes the full-length (FL) CD5 protein and exon 1B (E1B) which encodes a truncated (TR) isoform. The FL variant of CD5 protein is translocated to the plasma membrane, while its TR variant is retained in the cytoplasm.

Immunogen

Purified recombinant fragment of human CD5 (AA: 27-233) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

CD5 Antibody - Additional Information

Gene ID 921

Other Names

T-cell surface glycoprotein CD5, Lymphocyte antigen T1/Leu-1, CD5, CD5, LEU1

Dilution

E~~1/10000

WB~~1/250

FC~~1/200 - 1/400

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

CD5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD5 Antibody - Protein Information

Name CD5

Synonyms LEU1

Function

May act as a receptor in regulating T-cell proliferation.

Cellular Location

Cell membrane; Single-pass type I membrane protein

CD5 Antibody - 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](#)

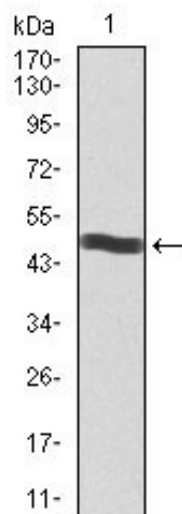
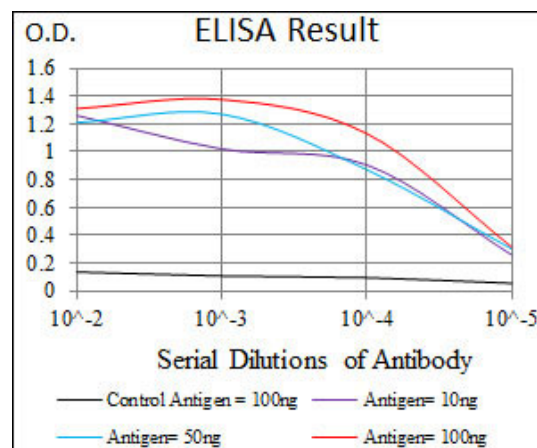


Figure 1: Western blot analysis using CD5 mAb against human CD5 recombinant protein. (Expected MW is 48.3 kDa)

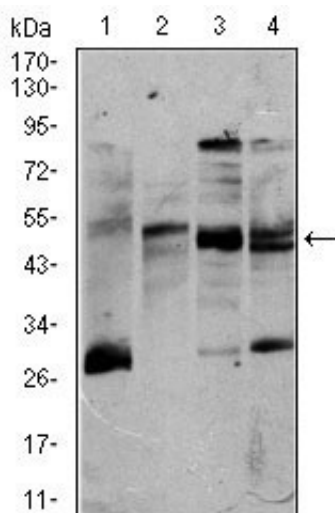


Figure 2: Western blot analysis using CD5 mouse mAb against K562 (1), Jurkat (2), Raji (3), and MOLT4 (4) cell lysate.

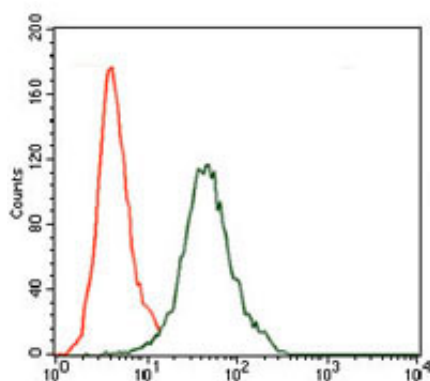


Figure 3: Flow cytometric analysis of Jurkat cells using CD5 mouse mAb (green) and negative control (red).

CD5 Antibody - References

1.Crit Rev Immunol. 2011;31(1):31-42.2.Blood. 2011 Dec 1;118(23):6107-14.