
Product Name: CD2 Mouse Monoclonal Antibody**Catalog #: AMM81715**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:4000,IHC 1:1000-1:4000,ELISA 1:5000-1:20000,FC 1:500-1:1000
Molecular Weight	39.4kDa

Antigen Information

Gene Name	CD2
Alternative Names	T11; SRBC; LFA-2
Gene ID	914.0
SwissProt ID	P06729
Immunogen	Purified recombinant fragment of human CD2 (AA: 25-140) expressed in E. Coli.

Background

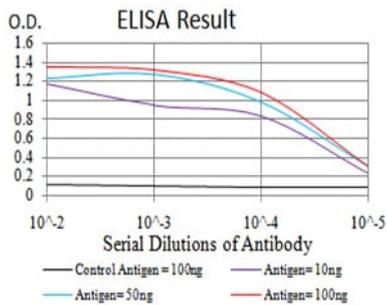
CD2 is a surface antigen of the human T-lymphocyte lineage that is expressed on all peripheral blood T cells (summarized by Sewell et al., 1986 [PubMed 3490670]). It is one of the earliest T-cell markers, being present on more than 95% of thymocytes; it is also found on some natural killer cells but not on B lymphocytes. Monoclonal antibodies directed against CD2 inhibit the

formation of rosettes with sheep erythrocytes, indicating that CD2 is the erythrocyte receptor or is closely associated with it.

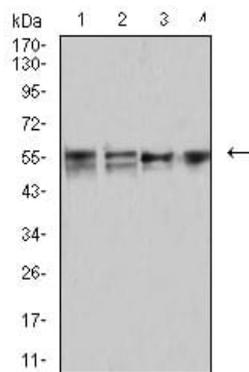
Research Area

TGF-beta signaling pathway

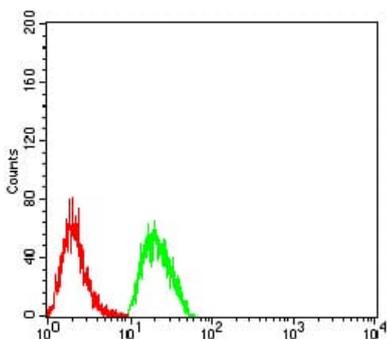
Image Data



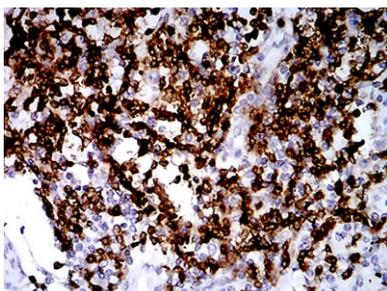
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



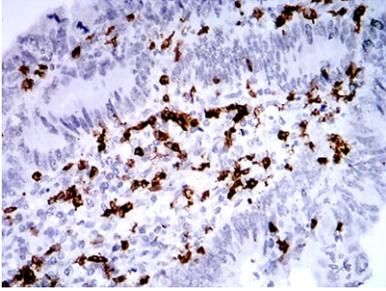
Western blot analysis using CD2 mouse mAb against MOLT4 (1), MCF-7 (2), HeLa (3), and L1210 (4) cell lysate.



Flow cytometric analysis of HeLa cells using CD2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using CD2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using CD2 mouse mAb with DAB staining.