

Summary

Production Name	CD319 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC,ELISA
Reactivity	Human,Mouse,Rat,Monkey,Rabbit

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	CD319
Alternative Names	19A; CS1; SLAMF7; CRACC
Gene ID	57823.0
SwissProt ID	Q9NQ25.Purified recombinant fragment of human CD319 (AA: extra(23-226)) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:100-1:500,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	37.4kDa

Background

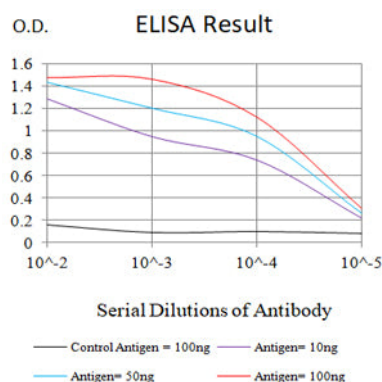
Product Name: CD319 Mouse Monoclonal Antibody
Catalog #: AMM82675



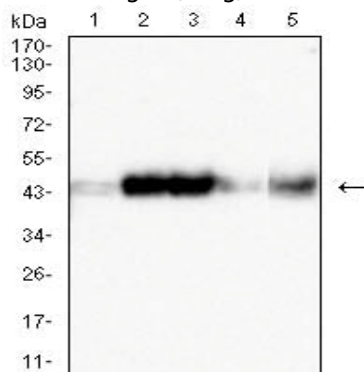
Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. Isoform 1 mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway (PubMed:11698418). Positively regulates NK cell functions by a mechanism dependent on phosphorylated SH2D1B. Downstream signaling implicates PLCG1, PLCG2 and PI3K (PubMed:16339536). In addition to heterotypic NK cells-target cells interactions also homotypic interactions between NK cells may contribute to activation. However, in the absence of SH2D1B, inhibits NK cell function. Acts also inhibitory in T-cells (By similarity). May play a role in lymphocyte adhesion (PubMed:11802771). In LPS-activated monocytes negatively regulates production of proinflammatory cytokines (PubMed:23695528).

Research Area

Image Data

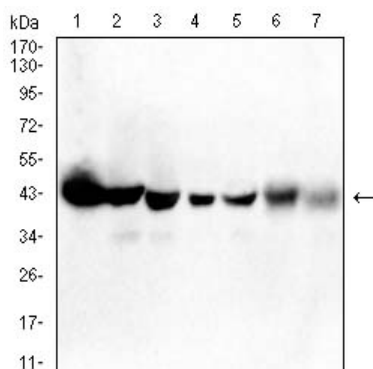


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

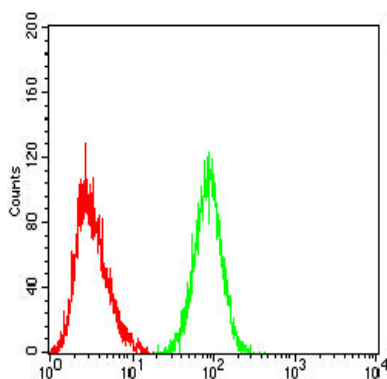


Western blot analysis using CD319 mouse mAb against K562 (1), HL-60 (2), Ramos (3), Jurkat (4), and THP-1 (5) cell lysate.

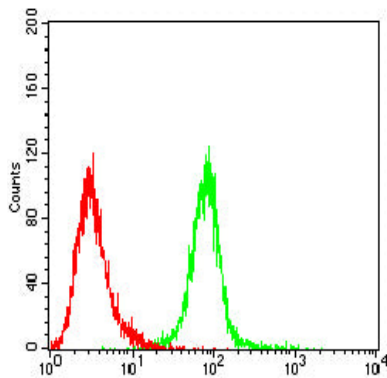
Product Name: CD319 Mouse Monoclonal Antibody
Catalog #: AMM82675



Western blot analysis using CD319 mouse mAb against Rat liver(1)PC-12(2)Raw264.7(3)NRK(4)COS-7(5)HL-60(6)Ramos(7) cell lysate.

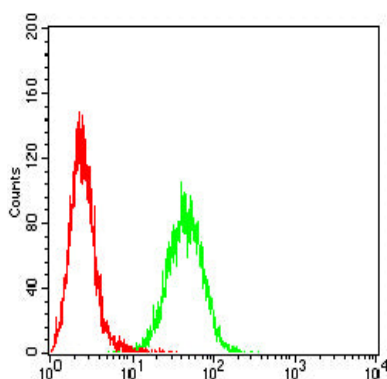


Flow cytometric analysis of K562 cells using CD319 mouse mAb (green) and negative control (red).

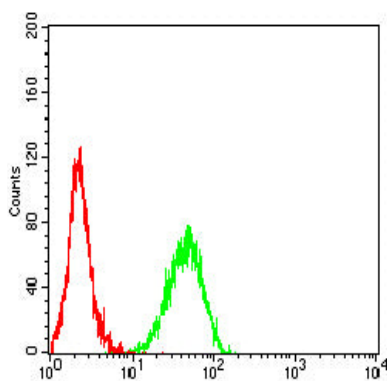


Flow cytometric analysis of U937 cells using CD319 mouse mAb (green) and negative control (red).

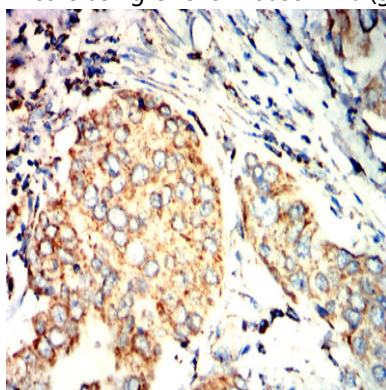
Product Name: CD319 Mouse Monoclonal Antibody
Catalog #: AMM82675



Flow cytometric analysis of THP-1 cells using CD319 mouse mAb (green) and negative control (red).

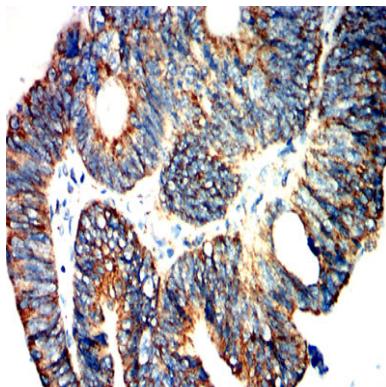


Flow cytometric analysis of MOLT4 cells using CD319 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using CD319 mouse mAb with DAB staining.

Product Name: CD319 Mouse Monoclonal Antibody
Catalog #: AMM82675



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissues using CD319 mouse mAb with DAB staining.

Note

For research use only.