

产品名称: CD319 Mouse Monoclonal Antibody
产品货号: AMM82675



产品概述 (Summary)

产品名称 (Production Name)	CD319 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse,Rat,Monkey,Rabbit

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	37.4kDa

研究背景 (Background)

Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or

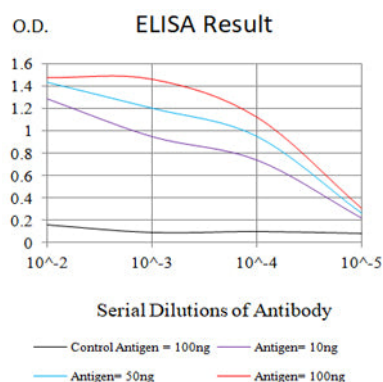
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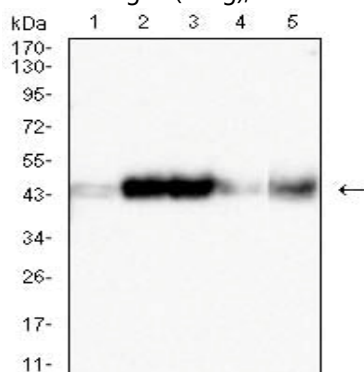
heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter 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).

研究领域 (Research Area)

图片 (Image Data)

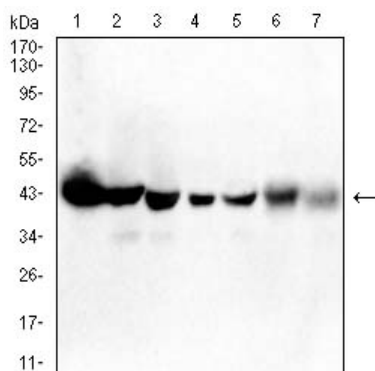


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

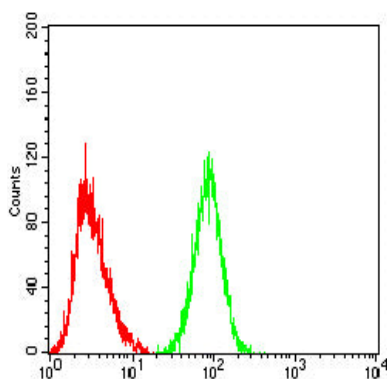


Western blot analysis using CD319 mouse mAb against K562 (1), HL-60 (2), Ramos (3), Jurkat (4), and THP-1 (5) cell lysate.

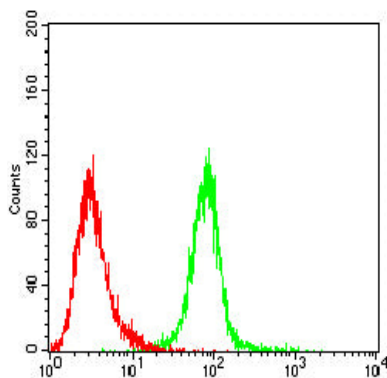
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Western blot analysis using CD319 mouse mAb against Rat liver(1)PC-12(2)Raw264.7(3)NRK(4)COS-7(5)HL-60(6)Ramos(7) cell lysate.

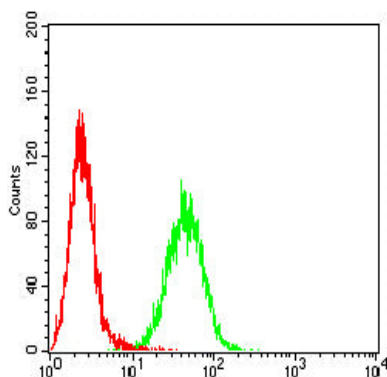


Flow cytometric analysis of K562 cells using CD319 mouse mAb (green) and negative control (red).

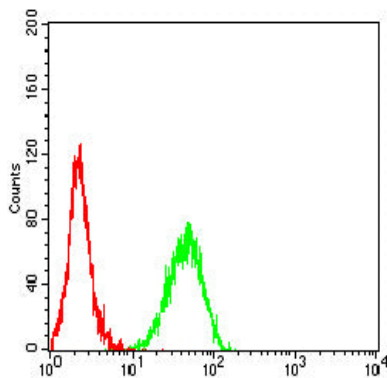


Flow cytometric analysis of U937 cells using CD319 mouse mAb (green) and negative control (red).

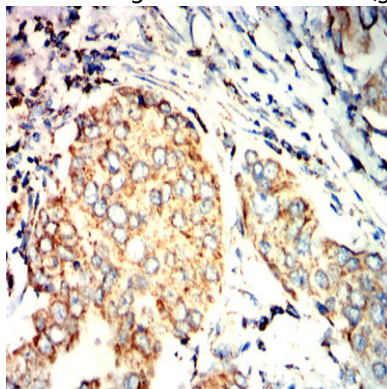
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Flow cytometric analysis of THP-1 cells using CD319 mouse mAb (green) and negative control (red).

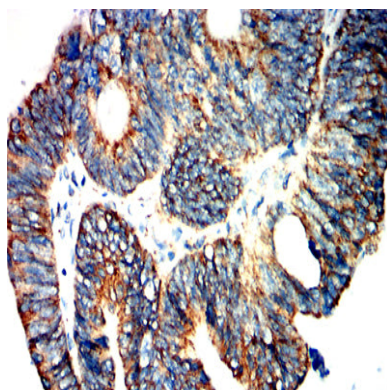


Flow cytometric analysis of MOLT4 cells using CD319 mouse mAb (green) and negative control (red).



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

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

注意事项 (Note)

For research use only .