

产品名称: CD45R Mouse Monoclonal Antibody
产品货号: AMM82495



产品概述 (Summary)

产品名称 (Production Name)	CD45R Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA,FC
种属反应性 (Reactivity)	Human, Mouse, Rat

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)	CD45R
别名 (Alternative Names)	PTPRC; LCA; LY5; B220; L-CA; T200; CD45; GP180
基因 ID (Gene ID)	5788.0
蛋白 ID (SwissProt ID)	P08575.Purified recombinant fragment of human CD45R (AA: extra 378-577) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	147.5kDa

研究背景 (Background)

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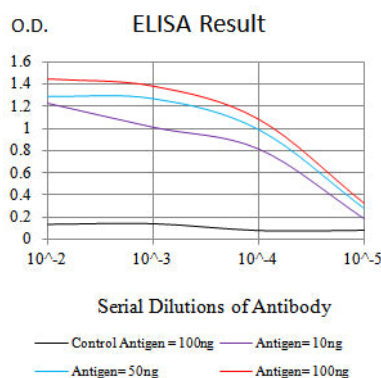


The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported.

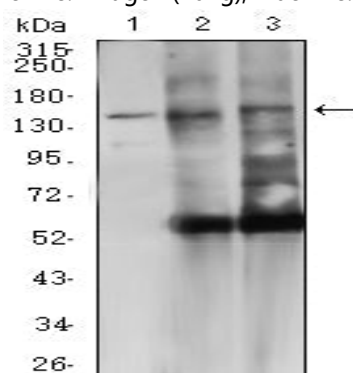
研究领域 (Research Area)

Jak-STAT signaling pathway

图片 (Image Data)

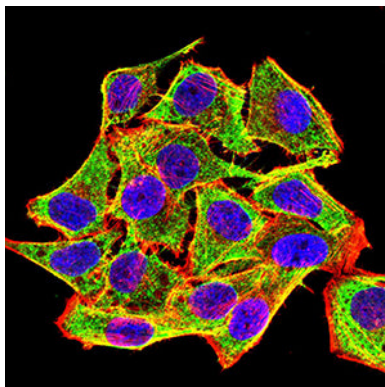


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

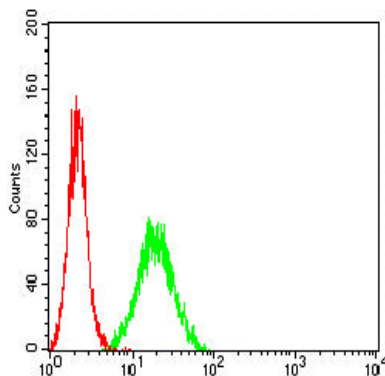


Western blot analysis using CD45R mouse mAb against Jurkat (1), Rat Serum (2), and mouse Serum (3) cell lysate.

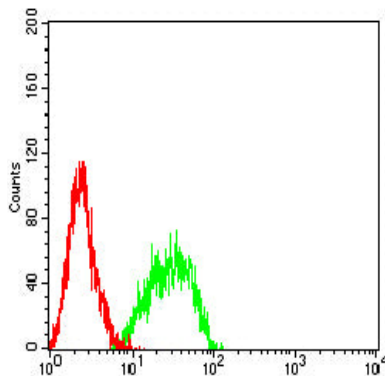
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Immunofluorescence analysis of HeLa cells using CD45R mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

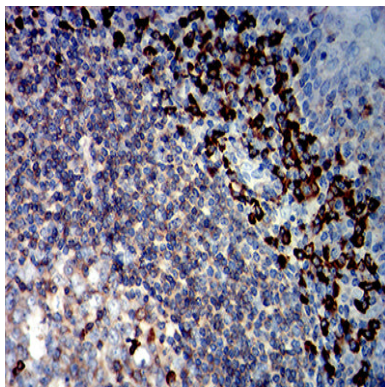


Flow cytometric analysis of HeLa cells using CD45R mouse mAb (green) and negative control (red).

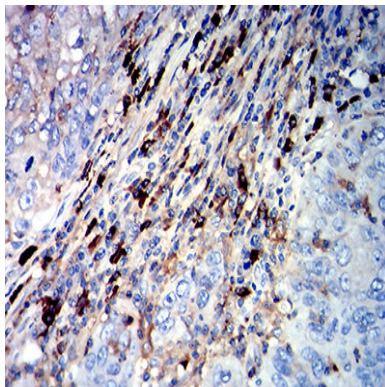


Flow cytometric analysis of Jurkat cells using CD45R mouse mAb (green) and negative control (red).

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Immunohistochemical analysis of paraffin-embedded human tonsil tissues using CD45R mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CD45R mouse mAb with DAB staining.

注意事项 (Note)

For research use only .