

产品名称: CD204 Mouse Monoclonal Antibody
产品货号: AMM82148



产品概述 (Summary)

产品名称 (Production Name)	CD204 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,ELISA,FC
种属反应性 (Reactivity)	Human

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)	CD204
别名 (Alternative Names)	MSR1; SRA; SR-A; SR-AI; phSR1; phSR2; SCARA1; SR-AII; SR-AIII
基因 ID (Gene ID)	4481.0
蛋白 ID (SwissProt ID)	P21757.Purified recombinant fragment of human CD204 (AA: extra 275-451) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	49.8kDa

研究背景 (Background)

This gene encodes the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by

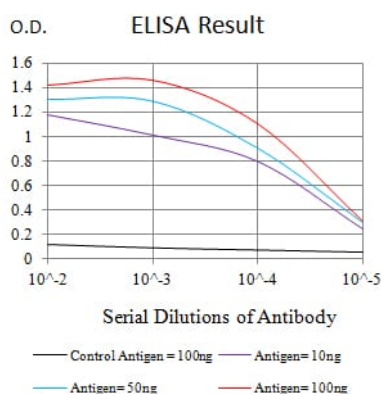
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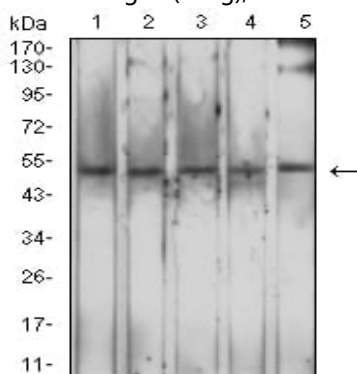
alternative splicing of this gene. These receptors or isoforms are macrophage-specific trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes including atherosclerosis, Alzheimer's disease, and host defense. The isoforms type 1 and type 2 are functional receptors and are able to mediate the endocytosis of modified low density lipoproteins (LDLs). The isoform type 3 does not internalize modified LDL (acetyl-LDL) despite having the domain shown to mediate this function in the types 1 and 2 isoforms. It has an altered intracellular processing and is trapped within the endoplasmic reticulum, making it unable to perform endocytosis. The isoform type 3 can inhibit the function of isoforms type 1 and type 2 when co-expressed, indicating a dominant negative effect and suggesting a mechanism for regulation of scavenger receptor activity in macrophages.

研究领域 (Research Area)

图片 (Image Data)

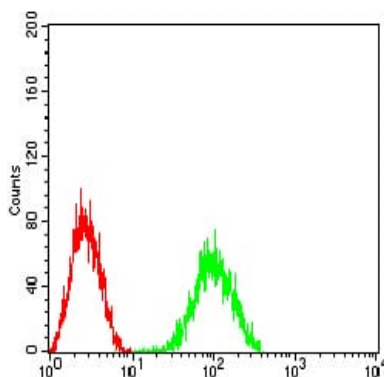


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD204 mouse mAb against PC-2 (1), A549 (2), HepG2 (3), L-02 (4), and PANC-1 (5) cell lysate.

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Flow cytometric analysis of HL-60 cells using CD204 mouse mAb (green) and negative control (red).

注意事项 (Note)

For research use only .