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Anti-CD204 Antibody

Catalog # AP95960

Product Information

Application	WB, FC
Primary Accession	P21757
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	49762

Additional Information

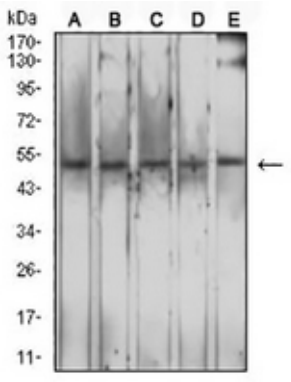
Gene ID	4481
Other Names	SCARA1; Macrophage scavenger receptor types I and II; Macrophage acetylated LDL receptor I and II; Scavenger receptor class A member 1; CD204
Target/Specificity	Recombinant fusion protein of human CD204 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

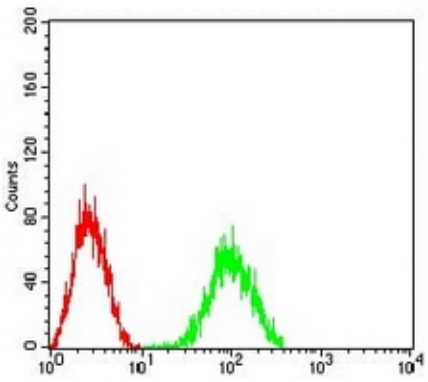
Name	MSR1
Synonyms	SCARA1
Function	Membrane receptor that mediates the binding, endocytosis and phagocytosis of a broad range of ligands. Recognizes and internalizes modified forms of low-density lipoproteins including acetylated LDL (AcLDL) and oxidized LDL (OxLDL), thereby promoting cholesterol uptake and contributing to foam cell formation during atherogenesis (PubMed:2251254, PubMed:34252459). Binds various pathogen-associated and damage-associated molecules, including bacterial cell wall components, apoptotic cell debris and polyanionic ligands, supporting macrophage clearance activity in innate immune defense (PubMed:10722588). Upon stimulation by CpG DNA, mediates activation of LYN, which phosphorylates SYK that is subsequently recruited to endosomal TLR9 to promote downstream TLR9 signaling (PubMed:29057947, PubMed:40980882).
Cellular Location	Cell membrane; Single-pass type II membrane protein

Tissue Location	Isoform I, isoform II and isoform III are expressed in monocyte-derived macrophages. Isoform I and isoform II are expressed in the liver, placenta and brain.

Images



Western blot analysis of CD204 expression in PC2 (A), A549 (B), HepG2 (C), L02 (D), PANC1 (E) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 50 kD)



Flow cytometric analysis of HL60 cells using Anti-CD204 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.