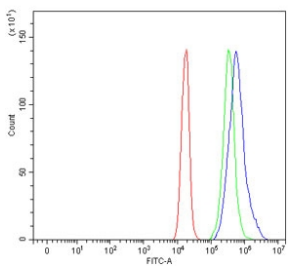
Cd204 Antibody / Msr1 (RQ7010)

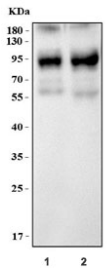
Catalog No.	Formulation	Size
RQ7010	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P30204
Applications	Western blot: 0.5-1 ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Cd204 antibody is available for research use only.



Flow cytometry testing of mouse RAW264.7 cells with Cd204 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cd204 antibody.



Western blot testing of mouse 1) RAW264.7 and 2) ANA-1 cell lysate with Cd204 antibody. Predicted molecular weight ~50 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Macrophage scavenger receptor 1, also known as MSR, MSR1 and CD204, is a protein which in humans is encoded by the MSR1 gene. Enables amyloid-beta binding activity; cargo receptor activity; and low-density lipoprotein particle binding activity. Involved in several processes, including endocytosis; positive regulation of cholesterol storage; and positive regulation of macrophage derived foam cell differentiation. Acts upstream of or within lipoprotein transport. Located in plasma membrane. Is expressed in several structures, including alimentary system; limb; neural tube; reproductive system; and yolk sac. Human ortholog(s) of this gene implicated in Barrett's esophagus; arteriosclerosis; and prostate cancer. Orthologous to human MSR1 (macrophage scavenger receptor 1).

Application Notes

Optimal dilution of the Cd204 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids M1-D451) was used as the immunogen for the Cd204 antibody.

Storage

After reconstitution, the Cd204 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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