

Datasheet for ABIN2657364

anti-Macrophage Mannose Receptor 1 antibody (Alexa Fluor 488)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Macrophage Mannose Receptor 1 (MRC1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Macrophage Mannose Receptor 1 antibody is conjugated to Alexa Fluor 488
Application:	Flow Cytometry (FACS)

Product Details

Clone:	C068C2
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.

Target Details

Target:	Macrophage Mannose Receptor 1 (MRC1)
Alternative Name:	CD206 (MRC1 Products)
Background:	CD206, also known as mannose receptor (MR), is a 175 kD type I membrane protein. It is a pattern recognition receptor (PRR) belonging to the C-type lectin superfamily. MR is expressed on macrophages, dendritic cells, Langerhans cells, and hepatic or lymphatic endothelial cells. MR recognizes a range of microbial carbohydrates bearing mannose, fucose, or N-acetyl

Target Details

glucosamine through its C-type lectin-like carbohydrate recognition domains, sulfated carbohydrate antigens through its cysteine-rich domain, and collagens through its fibronectin type II domain. MR mediates endocytosis and phagocytosis as well as activation of macrophages and antigen presentation. It plays an important role in host defense and provides a link between innate and adaptive immunity. Recently, MR on lymphatic endothelial cells was found to be involved in leukocyte trafficking and a contributor to the metastatic behavior of cancer cells. It suggests that MR may be a potential target in controlling inflammation and cancer metastasis by targeting the lymphatic vasculature.

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

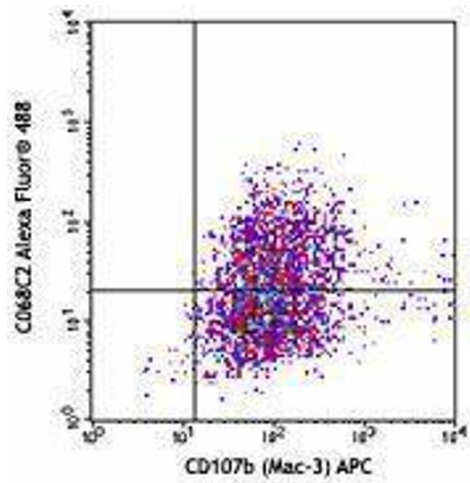
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

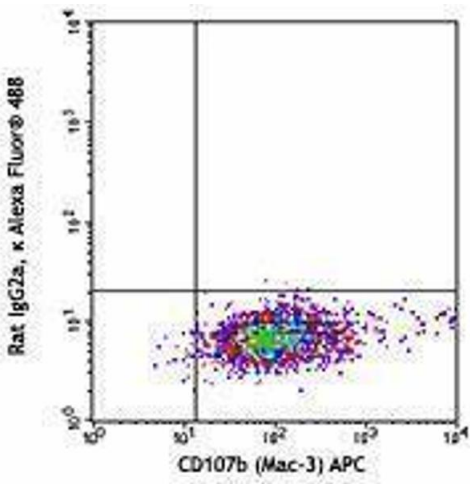
Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.