

Datasheet for ABIN7457578

anti-Macrophage Mannose Receptor 1 antibody (PE-Cy7)[Go to Product page](#)

Overview

Quantity:	25 µg
Target:	Macrophage Mannose Receptor 1 (MRC1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Macrophage Mannose Receptor 1 antibody is conjugated to PE-Cy7
Application:	Flow Cytometry (FACS), Intracellular Flow Cytometry (ICFC)

Product Details

Clone:	C068C2
Isotype:	IgG2a, kappa

Target Details

Target:	Macrophage Mannose Receptor 1 (MRC1)
Alternative Name:	CD206 (MRC1 Products)
Background:	MMR,MR,MRC1,macrophage mannose receptor,mannose receptor,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 glucosamine through its C-type lectin-like carbohydrate recognition domains, sulfated carbohydrate antigens through

Target Details

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.

Gene ID: 17533

UniProt: [Q61830](#)

Application Details

Application Notes: Check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10⁶ cells in 100 µL volume].

Comment: Matching Isotype Control: PE/Cyanine7 Rat IgG2a, κ Isotype Control (ABIN7469844)

Restrictions: For Research Use only

Handling

Concentration: 0.2 mg/mL

Buffer: PBS with 0.05 % Proclin300, 1 % BSA

Preservative: ProClin

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

Storage: 4 °C

Storage Comment: Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.