Datasheet for ABIN1112217

anti-FCGR1A antibody (PE)

1 Image

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Overview

Quantity:	100 tests
Target:	FCGR1A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FCGR1A antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Rheumatoid synovial fluid cells and fibronectin purified human monocytes
Clone:	10-1
Isotype:	IgG1
Characteristics:	Monoclonal Mouse Anti-Human CD64 for identification of CD64 a high affinity receptor for human IgG (FcgammaRI) expressed on monocytes, macrophages, dendritic cells, granulocytes activated with interferon-gamma and early myeloid lineage cells.

Target Details

Target:	FCGR1A
Alternative Name:	CD64 (FCGR1A Products)
Background:	Monocytes, macrophages, dendritic cells, granulocytes activated with interferon- gamma and early myeloid lineage cells express CD64, while mature granulocytes and lymphocytes are

Target Details

	negative. CD64 functions in both innate and adaptive immune responses and mediates endocytosis, phagocytosis, antibody-dependent cellular toxicity, cytokine release and superoxide generation
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	It is recommended for use in flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 20 µl/10^6 cells.
Comment:	R-Phycoerythrin. Abs/Em. Max.: 565/575 nm. Anti-CD64 10, 1 was included in the 6th International Workshop on Human Leucocyte Differentiation Antigens (Code MA36).
Sample Collection:	1. Transfer 100 µl of anticoagulated (EDTA) blood to a 12 x 75 mm polystyrene test tube (10^6 cells). 2. Add 20 µl of CD64 PE and mix gently with a vortex mixer. The 20 µl is a guideline only, the volume should be determined by the individual laboratory. 3. optimal The recommended negative control is a non-reactive PE-conjugated antibody of the same isotype. 4. Incubate in the dark at room temperature at 4°C for 30 minutes or at room temperature (20-25 °C) for 15 minutes. 5. Add 1,5 ml of Lysing Solution to each sample and mix gently with a vortex mixer. Incubate for 10 minutes at room temperature in the dark. 6. Centrifuge at 1000 x g for 5 minutes. Gently aspirate the supernatant and discard it leaving approximately 50 µl of fluid. 7. Add 2 ml 0.01 mol/l PBS (It betters that it containing 2% bovine serum albumin) and resuspend the cells by using a vortex mixer. 8. Centrifuge at 1000 x g for 5 minutes. Gently aspirate the supernatant and discard it leaving approximately 50 µl of fluid. 9. Resuspend pellet in an appropriate fluid for flow cytometry, e.g. 0.3 ml PBS. The PBS should contain 1% paraformaldehyde (fixative) if samples are not analysed the same day. 10. Analyse on a flow cytometer or store at 2-8 °C in the dark until analysis. Samples can be run up to 24 hours after lysis.
Restrictions:	For Research Use only

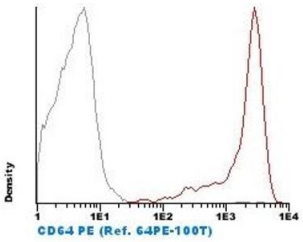
Handling

Format:	Liquid
Buffer:	The conjugate is provided in liquid form in buffer containing Antibody Stabilizer solution PBS 20 mM and 0,09% Sodium azide, pH 7.2.
Preservative:	Sodium azide

Handling

Precaution of Use:	1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and it must not be used in conjunction with patient records or treatment. 2. This product contains Sodium azide (NaN3), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, Sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing. 3. As with any product derived from biological sources, proper handling procedures should be used.
Storage:	4 °C

Images



Fluorescence profiles of normal human peripheral. Surface staining of normal human peripheral blood cells with PE Anti-Human CD64 (cat. 64PE-100T). Monocytes cells were used for analysis in the histogram. The isotype control is represented by grey line and the PE anti-human CD64 by red line.

Cells were analyzed on a FACSCalibur (Becton Dickinson, San Jose, CA) flow cytometer, using Cell Quest acquisition software and INFINICYT,

Image 1.