Datasheet for ABIN1112147

anti-CD43 antibody (PE)

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Overview

Quantity:	100 tests
Target:	CD43 (SPN)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD43 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Clone:	TP1-36
Isotype:	IgG1
Characteristics:	Monoclonal Mouse Anti-Human CD43 PE, is recommended for use in flow cytometry for identification of T lymphocytes, granulocytes and monocytes .

Target Details

Target:	CD43 (SPN)
Alternative Name:	CD43 (SPN Products)
Background:	CD43, the glycoprotein leukosialin (95-115kDa MW) antigen present on all T lymphocytes and on granulocytes, monocytes and platelets in peripheral blood. The antigen is also expressed cytoplasmically by macrophages. It is also present on all immature hematopoietic cells in the bone marrow. CD43 may be involved in the regulation of B, T and NK cell function.

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Target Details

Pathways:	Regulation of Leukocyte Mediated Immunity

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 (Europa Bioproducts, Ely, Cambridge).
Sample Preparation:	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 CD43 PE and mix gently with a vortex mixer. The 20 µl is a guideline only, the optimal volume should be determined by the individual laboratory. 3. 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. HT-0043-PE-1 10. Analyse on a flow cytometer or store at 2-8 °C in the dark until analysis.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The conjugate is provided in liquid form in buffer containing 1% bovine serum albumin (BSA) and 0,09% Sodium azide, pH 7.2.
Preservative:	Sodium azide
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

Handling

	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

Publications

Product cited in:	Escribano, Orfao, Villarrubia, Díaz-Agustín, Cerveró, Rios, Velasco, Ciudad, Navarro, San Miguel: " Immunophenotypic characterization of human bone marrow mast cells. A flow cytometric study of normal and pathological bone marrow samples." in: **Analytical cellular pathology : the journal of the European Society for Analytical Cellular Pathology**, Vol. 16, Issue 3, pp. 151-9, (1998) (PubMed).

Images

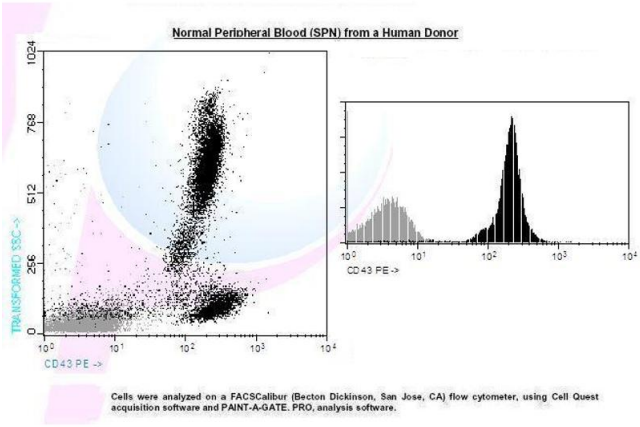

Image 1.