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Datasheet for ABIN7505930 anti-CD37 antibody (PE)

3 Images



Overview

Quantity:	100 tests
Target:	CD37 (TSPAN26)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD37 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD37 PE
Immunogen:	lymphomatous lymph node cells
Clone:	MB-1
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody MB-1 recognizes an extracellular epitope of CD37, a tetraspanin family transmembrane glycoprotein.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

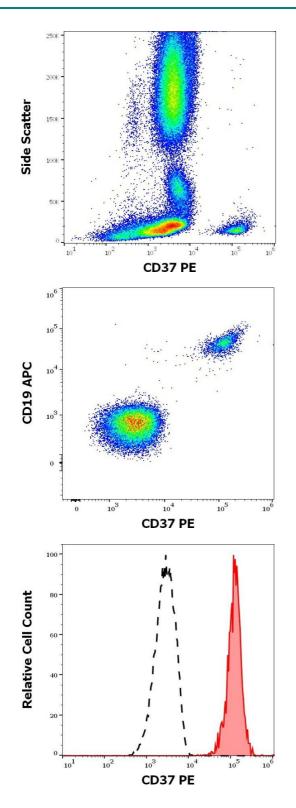
Target:

CD37 (TSPAN26)

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Target Details	
Alternative Name:	CD37 (TSPAN26 Products)
Background:	CD37 Molecule,CD37 is a 40-64 kDa tetraspanin family glycoprotein, which forms complexes in the B cell membrane with MHC class II, CD53, CD81, and CD82. It is expressed highly on mature B cells and neoplastic B cells, but it is lost on plasma cells, as well as on pro-B cells. Lower expression was detected on monocytes, macrophages, and dendritic cells.,GP52-40, tetraspanin 26
Gene ID:	951
UniProt:	P11049
Pathways:	Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response
Application Details	
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 μ L reagent / 100 μ L of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only
Handling	
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM 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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

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Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD37 (MB-1) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 2. Flow cytometry multicolor surface staining of human gated lymphocytes stained using anti-human CD37 (MB-1) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood) and anti-human CD19 (LT19) APC antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 3. Separation of human CD37 positive CD19 positive lymphocytes (red-filled) CD37 negative CD19 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD37 (MB-1) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

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