

Datasheet for ABIN6579827
anti-LAIR1 antibody (APC)

3 Images

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Overview

Quantity:	100 tests
Target:	LAIR1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LAIR1 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Activated NK cells and CD3- thymocytes
Clone:	NKTA255
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody NKTA255 recognizes an extracellular epitope of CD305 / LAIR1, a 40 kDa type I transmembrane glycoprotein expressed on NK, T, and B cells, monocytes, dendritic cells, eosinophils, basophils, mast cells, CD34+ hematopoietic progenitor cells and thymocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

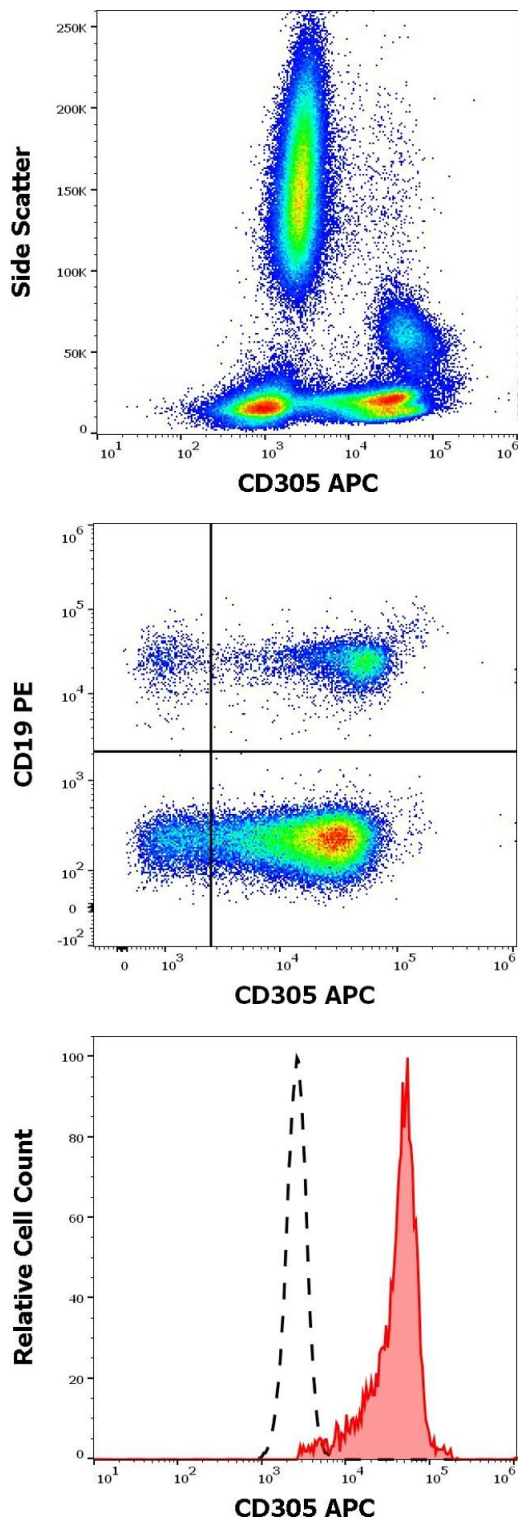
Target:	LAIR1
Alternative Name:	CD305 / LAIR1 (LAIR1 Products)
Background:	Leukocyte associated immunoglobulin like receptor,CD305, also known as LAIR1 (leukocyte-associated Ig-like receptor 1), is an inhibitory receptor found on many types of peripheral blood cells. It serves to suppress cell cytotoxicity, activation, proliferation, and differentiation regarding autoantigens via its two intracellular ITIM sites. CD305 belongs to the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family of proteins. It reacts with collagen ligands.,LAIR1
Gene ID:	3903
UniProt:	Q6GTX8

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
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.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD305 (NKTA255) APC antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 2. Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD305 (NKTA255) APC antibody (10 μ L reagent / 100 μ L of peripheral whole blood) and anti-human CD19 (LT19) PE antibody (20 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 3. Separation of human CD305 positive CD19 positive B cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD305 (NKTA255) APC antibody (10 μ L reagent / 100 μ L of peripheral whole blood).