PE Anti-Human CD305 Antibody[NKTA255]

Catalog Number: AN00330D

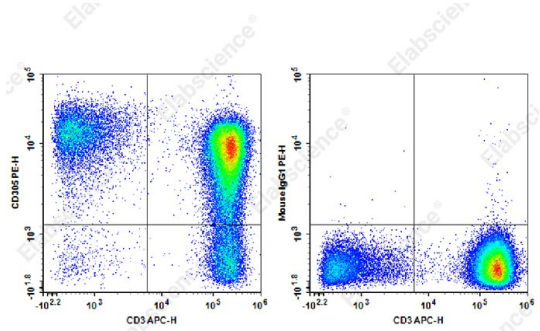
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1
Clone No.	NKTA255
Isotype Control	PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]
Conjugation	PE
Conjugation Information	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

Applications	Recommended usage
FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (millie cells in 100 μL staining volume or per 114 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal human peripheral blood cells with APC Anti-Human CD3 Antibody and PE Anti-Human CD305 Antibody[NKTA255] (left) or PE Mouse IgG1, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	LAIR-1
Uniprot ID	Q6GTX8

Gene ID	3903
Background	CD305, also known as LAIR-1 (leukocyte-associated Ig-like receptor-1), is a 40 kD type I transmembrane glycoprotein. LAIR-1 and LAIR-2 are the only members of the LAIR family in the Ig superfamily. LAIR-1 is an inhibitory molecule characterized by ITIMs in the cytoplasmic domain and collagen ligands. CD305 is expressed on NK cells, T cells, B cells, monocytes, dendritic cells, eosinophils, basophils and mast cells. LAIR-1 functions in the inhibition of cell cytotoxicity, cell activation, proliferation and differentiation.