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# PerCP/Cyanine5.5 Anti-Human CD305 Antibody[NKTA255]

Catalog Number: AN00330J

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

#### Description

Reactivity Human Mouse Host Isotype Mouse IgG1 Clone No. NKTA255

PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J] Isotype Control

PerCP/Cyanine 5.5 Conjugation

**Conjugation Information** PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected

using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

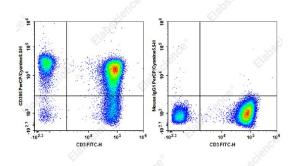
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### **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 (million cells in 100 μL staining volume or per 100 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 FITC Anti-Human CD3 Antibody and PerCP/Cyanine5.5 Anti-Human CD305 Antibody[NKTA255] (left) or PerCP/Cyanine5.5 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

### For Research Use Only

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#### **Elabscience Bionovation Inc.**

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## **Background**

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CD305, also known as LAIR-1 (leukocyte-associated lg-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 cell s, B cells, monocytes, dendritic cells, eosinophils, basophils and mast cells. LAIR-1 functions in the inhibition of cell cytotoxicity, cell activation, proliferation and differentiation.

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