

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 488 Anti-Human CD305 Antibody[NKTA255]

Catalog Number: AN00330L

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

#### **Description**

Reactivity Human

Host Mouse

Isotype Mouse IgG1

Clone No. NKTA255

Isotype Control Elab Fluor® 488 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792L]

Conjugation Elab Fluor® 488

Conjugation Information Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

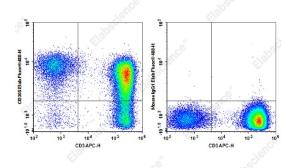
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 Elab Fluor<sup>®</sup> 488 Anti-Human CD305 Antibody[NKTA255] (left) or Elab Fluor<sup>®</sup> 488 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**

Elabscience®

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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