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# APC Anti-Human CD1a Antibody[OKT-6]

Catalog Number: E-AB-F1126E

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

### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. OKT-6

Isotype Control APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

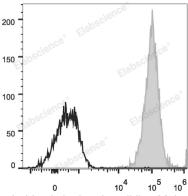
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### 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



Human T lymphoblastic leukemia cell line Molt-4 are stained with APC Anti-Human CD1a Antibody (filled gray histogram) or Mouse IgG1 Isotype Control APC (empty black histogram).

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names R4;CD 1a;CD1AT-cell surface glycoprotein CD1a;T6

 Uniprot ID
 P06126

 Gene ID
 909

## For Research Use Only

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



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## **Background**

CD1a is a 49 kD member of the immunoglobulin superfamily also known as T6 and R4. It is a type I membrane glycoprotein with structural similarities to MHC class I and is non-covalently associated with  $\beta 2$ -microglobulin. CD1a plays a role in non-peptide glycolipid antigen presentation to CD1-restricted T cells. It is expressed on cortical double positive and single positive thymocytes, Langerhans cells, and dendritic cells. In addition to antigen presentation, CD1a has been implicated in thymic T cell development.