

## APC Anti-Human CD1b Antibody[SN13 (K5-1B8)]

Catalog Number: AN00425E

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

### Description

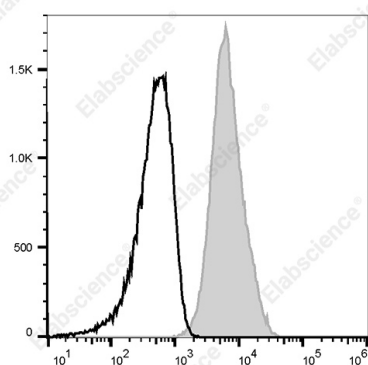
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Clone No.</b>	SN13 (K5-1B8)
<b>Isotype Control</b>	APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]
<b>Conjugation</b>	APC
<b>Conjugation Information</b>	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>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).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Staining of the Molt-4 cell line with APC Anti-Human CD1b Antibody[SN13 (K5-1B8)] (filled gray histogram) or APC Mouse IgG1, κ Isotype Control (empty black histogram). Total viable cells were used for analysis.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	R1;CD1b
<b>Uniprot ID</b>	P09016
<b>Gene ID</b>	910

### For Research Use Only

## Background

CD1b is a 43 kD member of the immunoglobulin superfamily also known as R1. It is a type I membrane glycoprotein with structural similarities to MHC class I and is non-covalently associated with  $\beta$ 2-microglobulin. In humans, CD1 family consists of group I proteins (CD1a, CD1b, CD1c), group II (CD1d), and group III (CD1e). CD1b 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, CD1b has been implicated in thymic T cell development.