

## Purified Anti-Human CD1a Antibody[OKT-6], Functional Grade

catalog number: E-AB-F11260

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

### Description

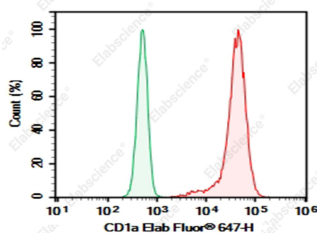
|                     |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human                                                                                 |
| <b>Immunogen</b>    | Recombinant Human CD1a protein                                                        |
| <b>Host</b>         | Mouse                                                                                 |
| <b>Isotype</b>      | Mouse IgG1, $\kappa$                                                                  |
| <b>Clone</b>        | OKT-6                                                                                 |
| <b>Purification</b> | >98%, Protein A/G purified                                                            |
| <b>Buffer</b>       | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method. |

### Applications

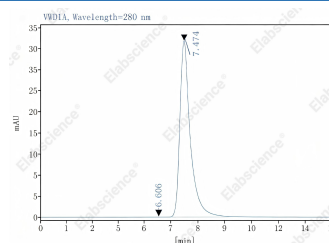
### Recommended Dilution

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| <b>FCM</b>   | $\leq 0.2 \mu\text{g}$ per million cells in 100 $\mu\text{L}$ volume |
| <b>Block</b> | Reported in the literature                                           |

### Data



Molt-4 were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD1a Antibody[OKT-6], Functional Grade (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by FITC-conjugated Goat Anti-Mouse IgG Secondary Antibody.



Molt-4 were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD1a Antibody[OKT-6], Functional Grade (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by FITC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

|                 |                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions. |
| <b>Shipping</b> | Ice bag                                                                                                                                                                                            |

### 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.

None (Azide-Free, Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

### Application References

#### For Research Use Only

Elvire A Bourgeois, et al. J Exp Med. 2015 Feb 9;212(2):149-63.

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