

## Elab Fluor® 488 Anti-Human CD1a Antibody[OKT-6]

Catalog Number: GFH1126L

**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         | 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% sodium azide.                                                                                                 |

### Applications

### Recommended usage

|     |                                                                                                                                                                                                                                                                                                                                                                                     |
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| FCM | 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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### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | Keep as concentrated solution.<br>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

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| Alternate Names | R4;CD 1a;CD1AT-cell surface glycoprotein CD1a;T6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene ID         | 909                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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 β2-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. |