

## Elab Fluor® 700 Anti-Human CD4 Antibody[SK3]

Catalog Number: GFH1352M1

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

### Description

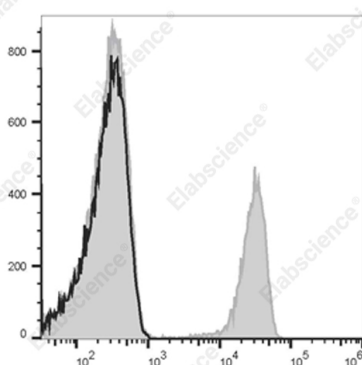
|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human;Rhesus;Cynomolgus                                                                                                                                                |
| Host                    | Mouse                                                                                                                                                                  |
| Isotype                 | Mouse IgG1, κ                                                                                                                                                          |
| Clone No.               | SK3                                                                                                                                                                    |
| Isotype Control         | Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]                                                                                         |
| Conjugation             | Elab Fluor® 700                                                                                                                                                        |
| Conjugation Information | Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                    |

### Applications

### Recommended usage

|     |                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Data



Staining of normal human peripheral blood cells with Elab Fluor® 700 Anti-Human CD4 Antibody[SK3] (filled gray histogram) or Elab Fluor® 700 Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

### 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

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| Alternate Names | T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4 |
| Uniprot ID      | P01730                                                          |
| Gene ID         | 920                                                             |

### For Research Use Only

## Background

CD4, also known as T4, is a 55 kD single-chain type I transmembrane glycoprotein expressed on most thymocytes, a subset of T cells, and monocytes/macrophages. CD4, a member of the Ig superfamily, recognizes antigens associated with MHC class II molecules and participates in cell-cell interactions, thymic differentiation, and signal transduction. CD4 acts as a primary receptor for HIV, binding to HIV gp120. CD4 has also been shown to interact with IL-16.