## **Elabscience**®

## Elab Fluor<sup>®</sup> 700 Anti-Human CD4 Antibody[SK3]

Catalog Number: E-AB-F1352M1

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

Description	
Reactivity	Human
Host	Mouse
Isotype	Mouse lgG1, к
Clone No.	SK3
Isotype Control	Elab Fluor <sup>®</sup> 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]
Conjugation	Elab Fluor <sup>®</sup> 700
Conjugation Information	Elab Fluor <sup>®</sup> 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% stabilizer and 1% protein protectant.
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



Staining of normal human peripheral blood cells with Elab

Fluor<sup>®</sup> 700 Anti-Human CD4 Antibody[SK3] (filled gray histogram) or Elab Fluor<sup>®</sup> 700 Mouse IgG1,  $\kappa$  Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage	
Storage	Keep as concentrated solution.
	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

## **Elabscience**®

Gene ID Background 920

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.