

## PE/Elab Fluor® 594 Anti-Human CD57 Antibody[HNK-1]

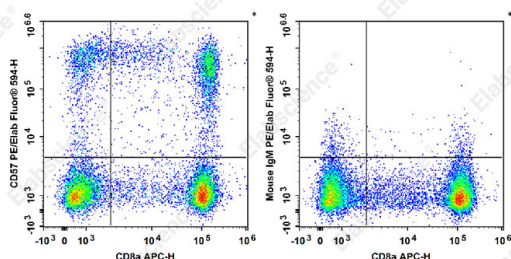
Catalog Number: GFH1067P

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

| Description             |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                             |
| Host                    | Mouse                                                                                                                                                                                                             |
| Isotype                 | Mouse IgM, κ                                                                                                                                                                                                      |
| Clone No.               | HNK-1                                                                                                                                                                                                             |
| Isotype Control         | PE/Elab Fluor® 594 Mouse IgM, κ Isotype Control[MM-30] [Product E-AB-F09782P]                                                                                                                                     |
| Conjugation             | PE/Elab Fluor® 594                                                                                                                                                                                                |
| Conjugation Information | PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm (e.g., a 610/20 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



Human peripheral blood lymphocytes are stained with APC

Anti-Human CD8a Antibody and PE/Elab Fluor® 594 Anti-Human CD57 Antibody[HNK-1] (Left). Lymphocytes are stained with APC Anti-Human CD8a Antibody and PE/Elab

Fluor® 594 Mouse IgM, κ Isotype Control (Right).

| 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       | HNK-1;Leu-7;NK-1                                                                                                                                          |
| Gene ID               | 27087                                                                                                                                                     |

### For Research Use Only

## Background

CD57, also known as HNK-1, NK-1, and Leu-7 is a 100-115 kD oligosaccharide antigenic determinant expressed on a variety of proteins, lipids, and chondroitin sulfate proteoglycans. CD57 is expressed on a subset of peripheral blood lymphocytes, including NK cells and CD8+ T cells, and is also expressed on neural cells and striated muscle. CD57 is not expressed on red blood cells, granulocytes, monocytes, or platelets. While the function of CD57 is unknown, binding to L-selectin, P-selectin, and a fragment of laminin suggests that CD57 may be involved in cell-matrix interactions. CD57 is increased in some disease states associated with CD4/CD8 imbalances (AIDS, autoimmune disease, viral infections, and allograft transplants).