

Purified Anti-Human CD57 Antibody[HNK-1]

catalog number: E-AB-F1067A

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

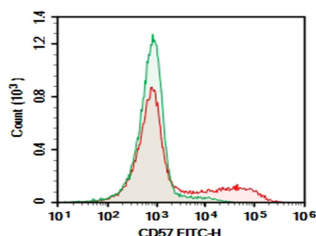
Description

| | |
|-------------------|--|
| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgM, κ |
| Clone | HNK-1 |
| Buffer | Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling. |

Applications Recommended Dilution

| | |
|------------|---|
| FCM | 2 $\mu\text{g/mL}$ (1×10^5 - 5×10^5 cells) |
|------------|---|

Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human CD57 Antibody[HNK-1] (Right) and 0.2 μg Mouse IgM, κ Isotype Control (Left), followed by FITC-conjugated Goat Anti-Mouse IgM Secondary Antibody.

Preparation & Storage

| | |
|-----------------|--|
| Storage | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| Shipping | Ice bag |

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).

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