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## Biotin Anti-Human CD57 Antibody[HNK-1]

Catalog Number: E-AB-F1067B

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

Description

Reactivity Human Mouse Host Isotype Mouse IgM, ĸ Clone No. HNK-1

Biotin Mouse IgM, κ Isotype Control[MM-30] [Product E-AB-F09783B] Isotype Control

Conjugation

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

**Applications** Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow **FCM** 

> cytometric staining, the suggested use of this reagent is  $\leq 1.0 \,\mu g$  per  $10^6$  cells in  $100 \,\mu L$ volume or 100 µL of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

**Preparation & Storage** 

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

**Shipping** Ice bag

**Antigen Information** 

**Alternate Names** HNK-1;Leu-7;NK-1

**Uniprot ID Q9P2W7** Gene ID 27087

**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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