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PerCP/Cyanine5.5 Anti-Human CD57 Antibody[HI57a]

Catalog Number: E-AB-F1333J

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

Description

Reactivity Human

Host Mouse

Isotype Mouse IgM, κ

Clone No. HI57a

Isotype Control PerCP/Cyanine5.5 Mouse IgM, κ Isotype Control[MM-30] [Product E-AB-F09782J]

Conjugation PerCP/Cyanine 5.5

Conjugation Information PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected

using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

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

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

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 HNK-1;NK-1;Leu-7

 Uniprot ID
 Q9P2W7

 Gene ID
 27087

Background CD57, also known as TB01, 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).