

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 450 Anti-Human CD57 Antibody[HNK-1]

Catalog Number: E-AB-F1067Q

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

Description

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

Isotype Control Elab Fluor® Violet 450 Mouse IgM, κ Isotype Control[MM-30] [Product E-AB-F09782Q]

Conjugation Elab Fluor® Violet 450

Conjugation Information Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

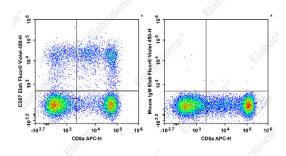
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

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 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). 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 Elab Fluor® Violet 450 Anti-Human CD57 Antibody[HNK-1] (Left). Lymphocytes are stained with APC Anti-Human CD8a Antibody and Elab Fluor

® Violet 450 Mouse IgM, κ Isotype Control (Right).

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

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

Uniprot ID Q9P2W7 Gene ID 27087

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Email:techsupport@elabscience.com

Web:www.elabscience.com

Elabscience Bionovation Inc.

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Background

Elabscience®

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).

Toll-free: 1-888-852-8623 Web:www.elabscience.com Fax: 1-832-243-6017