

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 700 Anti-Human CD99 Antibody[HI156]

Catalog Number: E-AB-F1339M1

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG2a, κ

Clone No. HI156

Isotype Control Elab Fluor® 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802M1]

Conjugation Elab Fluor® 700

Conjugation Information Elab Fluor[®] 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

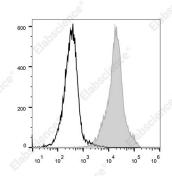
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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.

Data



Staining of normal human peripheral blood cells with Elab

Fluor[®] 700 Anti-Human CD99 Antibody[HI156](filled gray histogram) or Elab Fluor[®] 700 Mouse IgG2a, κ Isotype Control(empty black histogram). Cells in the lymphocytes gate were used for analysis.

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 CD99;MIC2;HBA71;MSK5X;E2 antigen

 Uniprot ID
 P14209

 Gene ID
 4267

For Research Use Only

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Elabscience Bionovation Inc.

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Background

Elabscience®

CD99 is a type I single chain transmembrane protein devoid of N-linked glycosylation sites encoded by the pseudoautosomal gene MIC2. CD99 has an apparent molecular weight of 32 kD and is widely expressed on a variety of tissues. CD99 is highly expressed on thymocytes, T cells, and T cell leukemias and lymphomas. However, it is absent on some B cell lines, fetal B cells, eosinophils, granulocytes and the NK-cell line YT. CD99 is involved in spontaneous rosette formation with erythrocytes and may also be involved in other T-cell and hematopoietic cell adhesion pathways. CD99 has been reported to activate a caspase-independent death pathway in T cells under some conditions. CD99 interacts with a number of proteins including ferritin heavy chain 1, karyopherin beta 1, TRIP13, cyclophilin A, annexin II, and ubiquitin-conjugating enzyme E2H.

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