

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Mouse CD150/SLAM Antibody[TC15-12F12.2]

Catalog Number: E-AB-F1177M

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

Description

Reactivity Mouse Host Rat

IsotypeRat $\lg G2a$, λ Clone No.TC15-12F12.2

Isotype Control Elab Fluor® 647 Rat IgG2a, λ Isotype Control[B39-4] [Product E-AB-F09742M]

Conjugation Elab Fluor® 647

Conjugation Information Elab Fluor[®] 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

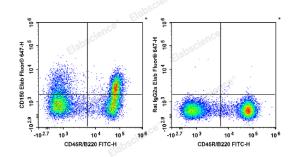
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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



C57BL/6 murine splenocytes are stained with FITC Anti-

Mouse CD45R/B220 Antibody and Elab Fluor[®] 647 Anti-Mouse CD150 Antibody (Left). Splenocytes are stained with

FITC Anti-Mouse CD45R/B220 Antibody and Elab Fluor® 647 Rat IgG2a, λ 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

Alternate Names CD 150;Signaling lymphocytic activation molecule;Slam;Slamf1

 Uniprot ID
 Q9QUM4

 Gene ID
 27218

For Research Use Only

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Background

CD150 is a 75-95 kD member of the immunoglobulin superfamily, also known as SLAM (signaling lymphocyte activation molecule) or IPO-3. CD150, a single chain type I transmembrane molecule, is expressed on thymocytes, T cell subsets, B cells, dendritic cells, and endothelial cells. The expression is upregulated upon activation. CD150 expression has been shown to be maintained on Th1 but not Th2 clones. T regulatory cells express a relatively high level of CD150. Antibodies against CD150 have been shown to augment IFN-y production by Th1 cells, especially when costimulated through the TCR. CD150 associates with the src homology 2-domaincontaining protein tyrosine phosphatase SHP-2, and this association is thought to be involved in signal transduction. In combination with CD48, CD150 is a useful marker for hematopoietic stem cell studies.

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