

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1177UM

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).

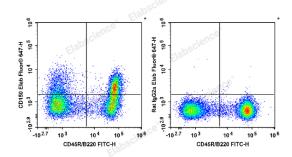
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μ g/10⁶ cells in 100 μ L volume].

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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