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# APC Anti-Mouse CD150/SLAM Antibody[TC15-12F12.2]

Catalog Number: E-AB-F1177UE

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

#### **Description**

Reactivity Mouse Rat Host

Isotype Rat IgG2a, \(\lambda\) TC15-12F12.2 Clone No.

APC Rat IgG2a, λ Isotype Control[B39-4] [Product E-AB-F09743E] Isotype Control

Conjugation

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

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

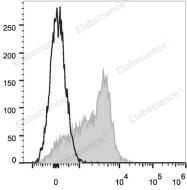
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **Applications** Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. 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  $\mu g/10^6$  cells in 100 µL volume].

#### Data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD150 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

### **Preparation & Storage**

Keep as concentrated solution. Storage

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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Rev. V1.6

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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-domain-containing 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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