

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SLAM/CD150 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 542301
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human SLAM/CD150 Ala21-Pro237 Accession # Q13291
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human peripheral blood lymphocytes

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Signaling lymphocytic activation molecule (SLAM, SLAMF1; CD150) was the first identified of a family of type I transmembrane (TM) lymphocyte activating receptors. SLAM homotypic adhesion bidirectionally stimulates T and B cells. SLAM is also expressed by hematopoietic stem cells, dendritic cells and platelets and is a T cell measles virus receptor. The 70 kDa glycoprotein contains a 216 amino acid (aa) extracellular domain (ECD) with one C2 type and one V type Ig-like domain, a 20 aa TM sequence and a 76 aa SH2-binding cytoplasmic domain. One splice variant has a shorter cytoplasmic tail and another lacks the TM sequence and is secreted. Human and mouse SLAM ECD share 60% aa identity.

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