

## DESCRIPTION

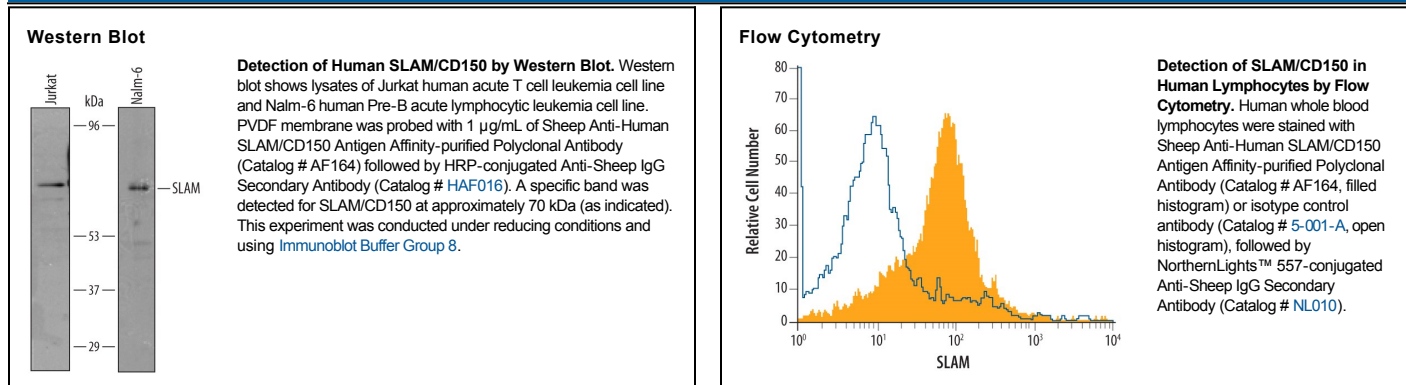
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human SLAM/CD150 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse SLAM, recombinant human (rh) CD48, rhCD84, and rh2B4/CD244 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human SLAM/CD150 Thr25-Pro237 Accession # Q13291
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## 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
<b>Western Blot</b>	1 µg/mL	See Below
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>CytoF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

SLAM (also IPO-3 and CD150) is a 70-80 kDa member of the CD2 family of molecules. It is a costimulatory receptor that mediates T cell activation via SAP. SLAM is found on B cells, dendritic cells, macrophages, stem cells and Th1 T cells. SLAM engages in homophilic interactions. Mature human SLAM is 315 amino acids (aa) in length. It is a type I transmembrane glycoprotein whose extracellular domain contains one V-type and one C2-type Ig-like domain (aa 21-237). There is a 77 aa SH2-binding cytoplasmic domain. Four potential splice variants are suggested. One shows a deletion of aa 234-263 (potentially soluble), while three others show aa substitutions; i.e. -a ten aa substitution for aa 289-335, a six aa substitution for aa 264-335 and a 20 aa substitution for aa 125-335 (potentially soluble). Over aa 1-236, human SLAM shares 60% aa identity with mouse SLAM.