

Product datasheet for **AM26146AF-N**

SLAMF1 Mouse Monoclonal Antibody [Clone ID: SLAM.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SLAM.4
Applications:	FC, IF, IP
Recommended Dilution:	Flow cytometry: Recommended dilution: 1-5 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human CD150-transfected 300.19 cells.
Specificity:	This Monoclonal <i>SLAM.4</i> antibody recognizes CD150, a cell surface molecule expressed on lymphocytes and involved in their activation.
Formulation:	Azide free phosphate buffered saline (PBS), pH~7.4, 0.2 µm filter sterilized State: Azide Free State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Aaffinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	signaling lymphocytic activation molecule family member 1
Database Link:	Entrez Gene 6504 Human Q13291



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Background:

CD150, also known as SLAM (signaling lymphocyte activation molecule) is a 70-95 kDa single chain transmembrane phosphoglycoprotein of the CD2 family. Its extracellular part contains eight potential N-glycosylation sites, and the intracellular tail contains three unique tyrosine-based motifs. These binding sites can be recognized by SH2-binding phosphatases and the adaptor proteins, such as SAP/SH2D1A or EAT-2. The SLAM family receptors are involved in leucocyte activation and contribute to the effective germinal center formation, generation of high-affinity antibody-secreting plasma cells, and memory T and B cells, thereby facilitating long-term immune response. CD150 expression is upregulated after cell activation.

Synonyms:

Slam, CDw150, Ipo-3

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane