Data Sheet (Cat.No.TMAB-01698)

Anti-SLAM/CD150 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 70 kDa.
Purification:	Protein A purified

Applications

Application:	WB,IHC-P,IHC-Fr,IF,ELISA
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CD150
Antigen Species:	Human
Gene ID:	6504
Uniprot ID:	Q13291
Synonyms:	signaling lymphocytic activation molecule family member 1;SLAM;CDw150;CD150
Biology Area:	Endothelial Cell Markers,Non-lineage,Host Virus Interaction,HSC markers,Surface Molecules

Research Background

SLAM, a novel glycoprotein of 37kDa, designated SLAM (Signaling Lymphocyte Activation Molecule) or CDw150, belongs to the immunoglobulin gene superfamily and is involved in T cell stimulation. SLAM is constitutively expressed on peripheral blood memory T cells, T cell clones, immature thymocytes, and a proportion of B cells, and is rapidly induced on naive T cells after activation. Activated B cells express the membrane bound form of SLAM and the soluble and cytoplasmic isoforms of SLAM, and the expression levels of membrane bound SLAM on B cells are rapidly regulated after activation in vitro. It is suggested that signalling through homophilic SLAM-SLAM binding during B to B and B to T cell interactions enhances the expansion and differentiation of activated B cells. Reports suggest that the extracellular domain of CD150 is the receptor for the measles virus and acts as a co-activator on T cells and B cells.

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