Recombinant Rat Slamf1 Protein, C-hFc-tagged

Product Information

Cat	*IMP-1331*
Official Symbol	*Slamf1*
Product Overview	*Recombinant rat Slamf1 (NP_001102548.1) (Met1-Leu242) was expressed with the Fc region of human IgG1 at the C-terminus.*
Description	*CD150/signaling lymphocytic activation molecule (SLAM) is a cell surface sialylated phosphoglycoprotein and belongs to the CD2 subset of the Ig superfamily of type I transmembrane glycoproteins. The CD150 receptor is expressed on thymocytes, activated and memory T cells, B cells, platelets, natural killer T cells, and mature dendritic cells, and is also detected on tumor cells of Hodgkin's lymphoma (HL) and diffuse large B-cell lymphoma with an activated B cell phenotype. Additionally, it is the immune cell receptor for measles virus (MV). As a self-ligand, CD150 performs diverse immunologic functions including T/B-cell costimulation, induction of interferon γ (IFN-γ) in Th1 T-cell clones, redirection of Th2 clones to a Th1 or Th0 phenotype, and inhibition of apoptosis in B cells. Furthermore, CD150 was shown to be the second receptor for measles virus in addition to CD46, and the distribution of SLAM on various cell lines is consistent with their susceptibility to clinical isolates of measles virus.*
Expression System	*HEK293*
Species	*Rat*
Tag	*C-hFc*
Predicted N Terminal	*Thr 25*
Form	*Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.*
Molecular Mass	*The recombinant rat Slamf1 consists 456 amino acids and predicts a molecular mass of 51.3 kDa.*
Protein length	*Met1-Leu242*
Endotoxin	*< 1.0 EU/μg protein as determined by the LAL method.*
Purity	*> 95 % as determined by SDS-PAGE.*
Storage	*Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.*
Reconstitution	*A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.*

SDS-PAGE