

Product datasheet

Recombinant Human SLAM / CD150 protein ab151342

Description

Product name	Recombinant Human SLAM / CD150 protein
Purity	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	<u>Q13291</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ASYGTGGRMMNCPKILRQLGSKVLLPLTYERINKSMNKSIHI VVTMAKSL ENSVENKIVSLDPSEAGPPRYLGDRYKFYLENLTLGIRESR KEDEGWYLM TLEKNVSVQRFCLQLRLYEQVSTPEIKVLNKTQENGCTLI LGCTVEKGD HVAYSWSEKAGTHPLNPANSSHLLSLTLGPQHADNYMCTV SNPISNNSQ TFSPWPGCRTDPSETKPVDHHHHHH
Predicted molecular weight	25 kDa including tags
Amino acids	21 to 237
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab151342** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -80°C. pH: 7.40 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
General Info	
Function	High-affinity self-ligand important in bidirectional T-cell to B-cell stimulation. SLAM-induced signal-transduction events in T-lymphocytes are different from those in B-cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction operates.
Tissue specificity	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.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Domain	The most membrane-proximal SH2-binding motif interacts with SH2 domain of SH2D1A and does not need to be phosphorylated on tyrosine residues.
Post-translational modifications	Phosphorylated by FYN.
Cellular localization	Cell membrane. Present on the surface of B-cells and T-cells.

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