

Datasheet for ABIN3137688

SLAMF7 Protein (AA 23-226) (His tag,AVI tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µg
Target:	SLAMF7
Protein Characteristics:	AA 23-226
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLAMF7 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Sequence:	AA 23-226
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	<p>High Quality Authentic Human SLAMF7 Protein</p> <ul style="list-style-type: none">• The production of this recombinant, biotinylated SLAMF7 protein is carried out using a proprietary expression platform.• As expression hosts, the human HEK293 cells have a variety of advantages compared to other cell types.• Most importantly, the proteins retain their authentic post-translational processing, which often translates into high bioactivity and stability. <p>High Bioactivity & Detection Sensitivity</p> <ul style="list-style-type: none">• The bioactivity of biotinylated proteins is determined both by the structure of the protein itself, and by the way how biotinylation is performed.• For every single protein, multiple options of tags and biotinylation methods are tested and

Product Details

the products are evaluated in a variety of binding assays.

- Only those with the best performance are selected for production.

Low Batch-to-Batch Variation

- Products are routinely tested using rigorous quality control measures to ensure consistent performance.
- Newly produced products are subjected to side-by-side comparison with our internal standard in a variety of assays.
- Only those within an acceptable margin of difference are allowed to be released.

Purity: >95 % as determined by reduced SDS-PAGE.

Endotoxin Level: Less than 1.0 EU per µg by the LAL method.

Target Details

Target: SLAMF7

Alternative Name: SLAMF7 ([SLAMF7 Products](#))

Background: SLAM family member 7 (SLAMF7) is also known as CD2-like receptor-activating cytotoxic cells (CRACC), Membrane protein FOAP-12, CD antigen CD319, Novel Ly9, Protein 19A, which is a single-pass type I membrane protein and a member of the CD2 family of cell surface receptors. SLAMF7 is expressed in spleen, lymph node, peripheral blood leukocytes, bone marrow, small intestine, stomach, appendix, lung and trachea. Isoform 1 of SLAMF7 mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. May play a role in lymphocyte adhesion. Isoform 3 of SLAMF7 does not mediate any NK cell activation.

Molecular Weight: 25.6 kDa

Application Details

Comment: Ready-to-use AvitagTM biotinylated protein:

The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does

Application Details

NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

Handling

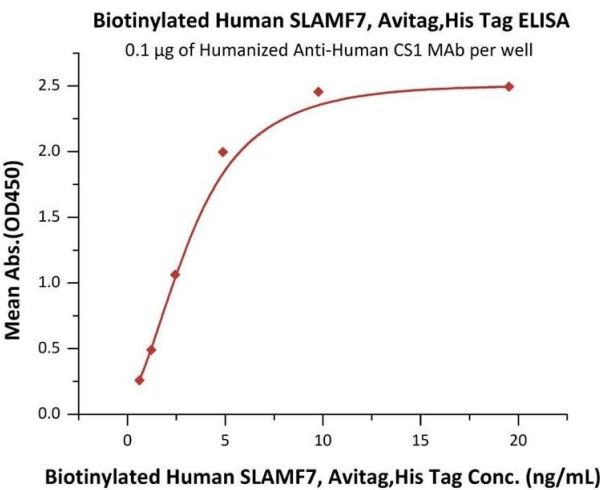
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

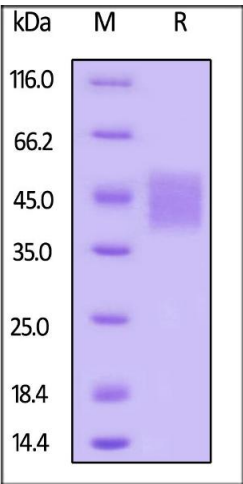
Storage: -20 °C

Images



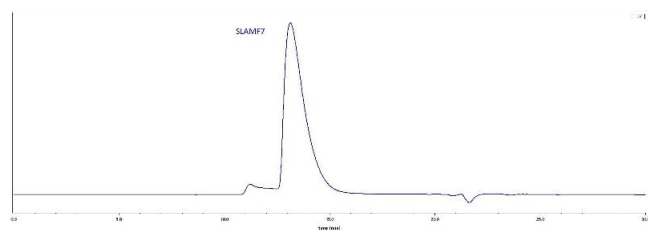
ELISA

Image 1. Immobilized Humanized A CS1 MAb at 1 µg/mL (100 µL/well) can bind Biotinylated Human SLAMF7, Avitag,His Tag (ABIN3137688,ABIN5674023) with a linear range of 0.6-5 ng/mL (Routinely tested).



SDS-PAGE

Image 2. Biotinylated Human SLAMF7, Avitag,His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human SLAMF7, Avitag,His Tag (ABIN3137688,ABIN5674023) was greater than 90 % as determined by .