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Datasheet for ABIN1097248

SLAMF6 Protein (AA 28-225) (His tag)

Overview

Quantity:	50 µg
Target:	SLAMF6
Protein Characteristics:	AA 28-225
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLAMF6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SLAM Family Member 6/SLAMF6/CD352/NTB-A (C-6His)
Sequence:	LMVNGILGES VTLPLEFPAG EKVNFITWLF NETSLAFIVP HETKSPEIHV TNPQKGKRLN FTQSYSLQLS NLKMEDTGSY RAQISTKTSA KLSSYTLRIL RQLRNIQVTN HSQLFQNMTC ELHLTCSVED ADDNVSFRWE ALGNTLSSQP NLTVSWDPRI SSEQDYTCIA ENAVSNLSFS VSAQKLCEDV KIQYTDTKVD HHHHHH
Characteristics:	Recombinant Human SLAM Family Member 6/SLAMF6/CD352/NTB-A (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	SLAMF6
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Target Details

Alternative Name:	SLAM Family Member 6/SLAMF6 (SLAMF6 Products)
Background:	<p>Recombinant Human SLAM Family Member 6/SLAMF6 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Gln22-Met226) of Human SLAMF6 fused with a polyhistidine tag at the C-terminus.</p> <p>SLAM Family Member 6 (SLAMF6) is a 60 kDa single-pass type I membrane protein that belongs to the SLAM subgroup of the CD2 family. Human SLAMF6/ NTB-A contains a 205 AA extracellular domain (ECD) with one Ig-like V-set and one Ig-like C2-set domain, a 21 AA transmembrane segment and an 84 AA cytoplasmic domain, with two immunoreceptor tyrosine-based switch motifs. SLAMF6 is a homodimer. SLAMF6 can interact with PTN6 and, upon phosphorylation, with PTN11 and SH2D1A/SAP. Phosphorylation-dependent NTB-A association with SAP is required for full production of IFN-γ by NK cells and independent of EAT-2 binding. It Triggers cytolytic activity only in natural killer cells (NK) expressing high surface densities of natural cytotoxicity receptors. On B cells, NTB-A modulates immunoglobulin class switching and the balance between tolerance and autoimmunity.</p>
Molecular Weight:	23.98 kDa
UniProt:	Q96DU3

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>