

[Go to Product page](#)

Datasheet for ABIN7319456

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

Overview

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

Product Details

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| Purpose: | Recombinant Human SLAMF6/Ly108 Protein (aa 28-225, His Tag)(Active) |
| Sequence: | Leu28-Lys225 |
| Characteristics: | Recombinant Human SLAM Family Member 6 is produced by our Mammalian expression system and the target gene encoding Leu28-Lys225 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |
| Biological Activity Comment: | Measured by its ability to induce IFN-γ secretion by PBMC cells. |

Target Details

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| Target: | SLAMF6 |
| Alternative Name: | SLAMF6/Ly108 (SLAMF6 Products) |
| Background: | <p>Background: SLAM Family Member 6 (SLAMF6) is a 60 kD single-pass type I membrane protein that belongs to the SLAM subgroup of the CD2 family. Human SLAMF6/ NTB-A contains a 205 amino acid extracellular domain (ECD) with one Ig-like V-set and one Ig-like C2-set domain, a 21 amino acid transmembrane segment and an 84 amino acid 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> <p>Synonym: SLAM Family Member 6, Activating NK Receptor, NK-T-B-Antigen, NTB-A, CD352, SLAMF6, KALI, Ly108, NTBA, SF2000</p> |
| Molecular Weight: | 23.4 kDa |
| UniProt: | Q96DU3 |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | <p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p> |