



# Mouse Anti-Human SLAMF6 monoclonal antibody, clone NN21 (CABT-ZB545)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human SLAMF6
<b>Target</b>	SLAMF6
<b>Immunogen</b>	Recombinant Human Ly108/SLAMF6 Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN21
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB545 - CABT-ZB908 This antibody will detect SLAMF6 in antibody pair set. [ABPR-ZB121]
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Ly108 / SLAMF6. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	50 µL, 100 µL, 200 µL, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	SLAM family member 6, also known as Activating NK receptor, NK-T-B-antigen, NTB-A, SLAMF6, KALI and Ly18, is a single-pass type I membrane protein that belongs to the CD2 subfamily of the immunoglobulin superfamily. SLAMF6/Ly18 contains one Ig-like (immunoglobulin-like) domain. It is expressed by all (resting and activated) natural killer cells (NK), T- and B-lymphocytes. SLAMF6/Ly18 triggers cytolytic activity only in natural killer cells (NK) expressing high surface densities of natural cytotoxicity receptors. SLAMF6/Ly18 is a homodimer. It interacts with PTN6 and, upon phosphorylation, with PTN11 and SH2D1A/SAP. SLAMF6/Ly18 undergoes tyrosine phosphorylation and associates with the Src homology 2 domain-containing protein (SH2D1A) as well as with SH2 domain-containing phosphatases (SHPs). It may function as a coreceptor in the process of NK cell activation. SLAMF6/Ly18 can also mediate inhibitory signals in NK cells from X-linked lymphoproliferative patients.
<b>Keywords</b>	SLAMF6; SLAM family member 6; KALI; NTBA

## GENE INFORMATION

<b>Synonyms</b>	SLAMF6; SLAM family member 6; KALI; NTBA; CD352; KAL1b; Ly108; NTB-A; SF2000; NTBA receptor; NK-T-B-antigen; activating NK receptor; natural killer-, T- and B-cell antigen
<b>Entrez Gene ID</b>	<a href="#">114836</a>
<b>UniProt ID</b>	<a href="#">Q96DU3</a>