



# Rabbit Anti-Human 2B4/CD244 monoclonal antibody, clone S136 (CABT-ZB819)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human 2B4/CD244
<b>Target</b>	CD244
<b>Immunogen</b>	Recombinant Human 2B4/CD244 protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	S136
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA(cap), IP We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB819 - CABT-ZB1109 This antibody will detect 2B4/CD244 in antibody pair set. [ABPR-ZB400]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Human 2B4 / CD244.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 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>	The CD244 antigen, also known as 2B4, is a cell surface glycoprotein implicated in the regulation of natural killer and T lymphocyte function. 2B4 is a member of the signaling lymphocyte activation molecule (SLAM)-related receptor family and is important for stimulating NK cell cytotoxicity and cytokine production, which is expressed on all NK cells, a subpopulation of T cells, monocytes and basophils. The 2B4 antigen identified on NK cells and T cells is capable of transmitting stimulatory signals and non-MHC-restricted killing. Reported as an activating receptor, human 2B4 can effectively activate and enhance NK cell-mediated cytotoxicity, induce secretion of IFN- $\gamma$ and matrix metalloproteinases (MMPs), as well as NK cell invasiveness. As a cell surface glycoprotein of the Ig-superfamily structurally related to CD2-like molecules such as CD2, CD48, CD58, CD84, Ly-9, and SLAM, 2B4 (CD244) is expressed on all human NK cells, a subpopulation of T cells, basophils and monocytes. 2B4 activates NK cell mediated cytotoxicity, induces secretion of IFN-gamma and matrix metalloproteinases, and NK cell invasiveness.
<b>Keywords</b>	CD244; CD244 molecule, natural killer cell receptor 2B4; 2B4; NAIL

## GENE INFORMATION

<b>Synonyms</b>	CD244; CD244 molecule, natural killer cell receptor 2B4; 2B4; NAIL; Nmrk; NKR2B4; SLAMF4; natural killer cell receptor 2B4; h2B4; SLAM family member 4
<b>Entrez Gene ID</b>	<a href="#">51744</a>
<b>UniProt ID</b>	<a href="#">Q9BZW8</a>