



Rabbit Anti-Human 2B4/CD244 monoclonal antibody, clone S142 (CABT-ZB1109)

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

PRODUCT INFORMATION

Specificity	It reacts with Human 2B4/CD244
Target	CD244
Immunogen	Recombinant Human 2B4/CD244 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S142
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) 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]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human 2B4 / CD244.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	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.
Ship	Wet ice

BACKGROUND

Introduction	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- γ 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.
Keywords	CD244; CD244 molecule, natural killer cell receptor 2B4; 2B4; NAIL

GENE INFORMATION

Synonyms	CD244; CD244 molecule, natural killer cell receptor 2B4; 2B4; NAIL; Nmrk; NKR2B4; SLAMF4; natural killer cell receptor 2B4; h2B4; SLAM family member 4
Entrez Gene ID	51744
UniProt ID	Q9BZW8