

CD244 rabbit monoclonal antibody

Catalog # H00051744-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CD244 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CD244 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CD244 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	<ol style="list-style-type: none">1. Customer may provide cell or tissue lysate for antibody screening.2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CD244

Entrez GeneID	51744
GeneBank Accession#	CD244
Gene Name	CD244
Gene Alias	2B4, NAIL, NKR2B4, Nmrk, SLAMF4
Gene Description	CD244 molecule, natural killer cell receptor 2B4
Omim ID	605554
Gene Ontology	Hyperlink
Gene Summary	Natural killer (NK) cells express both activating and inhibitory cell surface receptors. Inhibitory signaling receptors all possess cytoplasmic immunoreceptor tyrosine-based inhibitory motifs, or ITIMs, whereas the activating receptors lack ITIMs and associate with DAP12 (TYROBP; MIM 604142), which contains an immunoreceptor tyrosine-based activation motif, or ITAM. Killer cell immunoglobulin (Ig)-like receptors, or KIRs (see KIR2DL1; MIM 604936), and other NK cell receptors interact with major histocompatibility complex (MHC) molecules (see MIM 142800). Members of the CD2 (MIM 186990) family adhere to each other instead. The cell surface glycoprotein 2B4 is related to CD2 and is implicated in the regulation of NK- and T-cell function (Boles et al., 1999 [PubMed 10 458320]).[supplied by OMIM]
Other Designations	CD244 natural killer cell receptor 2B4 NK cell activation inducing ligand NAIL OTTHUMP00000027884 natural killer cell receptor 2B4

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Arthritis](#)
- [Cell Transformation](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)

- [Tobacco Use Disorder](#)