



Anti-CD244 polyclonal antibody [Biotin] (DPABY-516)

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

PRODUCT INFORMATION

Antigen Description	2B4, also known as CD244, is a cell surface glycoprotein belonging to the CD2 subgroup of the immunoglobulin superfamily. It acts as a high-affinity receptor for CD48. It is expressed by natural killer (NK) cells and CD8+ T cell subsets. It can regulate killing by CD8+ T cells and NK cells, and IFN-gamma secretion by NK cells. It may also regulate NK cell and T cell proliferation.
Specificity	Detects human 2B4/CD244/SLAMF4 in ELISAs and Western blots. In sandwich immunoassays, less than 5% cross-reactivity with recombinant mouse 2B4 and recombinant human SLAM is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human 2B4/CD244/SLAMF4. Met1-Arg221 Accession Number NP_057466
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, Flow Cytometry, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C to 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	CD244 CD244 molecule, natural killer cell receptor 2B4 [Homo sapiens (human)]
Official Symbol	CD244
Synonyms	CD244; CD244 molecule, natural killer cell receptor 2B4; 2B4; NAIL; Nmrk; NKR2B4; SLAMF4; natural killer cell receptor 2B4; h2B4; SLAM family member 4; NK cell activation-inducing ligand; NK cell type I receptor protein 2B4; NK cell activation inducing li
Entrez Gene ID	51744
Protein Refseq	NP_001160135
UniProt ID	Q9BZW8
Chromosome Location	1q23.3
Pathway	Cell surface interactions at the vascular wall; Hemostasis; Natural killer cell mediated cytotoxicity;
Function	protein binding; receptor activity;