



Anti-CD244 polyclonal antibody (DPABY-319)

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 0.2% cross-reactivity with recombinant mouse 2B4, recombinant human (rh)SLAM, rhCD48, and rhCD84 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human 2B4/CD244/SLAMF4. Cys22-Arg221 Accession Number NP_057466
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, ELISA Capture (Matched Pair), Agonist Activity
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

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;