

For Research Use Only

Cardinal Red™ Anti-Human CD244 (2B4.69)



Catalog Number: CR-65270

Basic Information

Catalog Number: CR-65270	GenBank Accession Number: BC028073	Purification Method: Affinity purification
Size: 100tests, 5 ul/test	GeneID (NCBI): 51744	CloneNo.: 2B4.69
Source: Mouse	Full Name: CD244 molecule, natural killer cell receptor 2B4	Excitation/Emission maxima wavelengths: 592 nm / 611 nm
Isotype: IgG1		

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

CD244, also known as SLAMF4 or 2B4, is a type I transmembrane glycoprotein belonging to the signaling lymphocyte activation molecule (SLAM) family. It consists of an extracellular segment with two immunoglobulin (Ig)-like domains, a transmembrane region, and a cytoplasmic domain containing tyrosine-based motifs (PMID: 9841922; 30546369). CD244 is present on natural killer (NK) cells, γ δ T cells, a subset of CD8+ T cells, monocytes, basophils, dendritic cells, and myeloid-derived suppressor cells (MDSCs) (PMID: 30546369). It binds to CD48 with high affinity and transmits stimulatory or inhibitory signals that regulate immune function (PMID: 9841922; 18523281).

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:

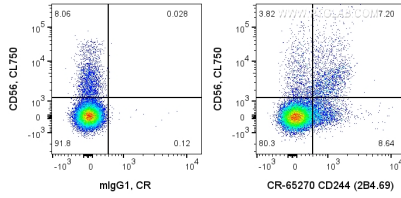
T: 4006900926

E: Proteintech-CN@ptglab.com

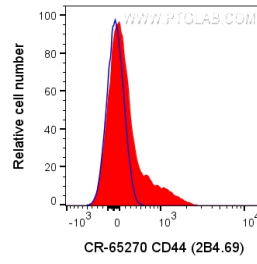
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with CL750 Anti-Human CD56 and 5 ul Cardinal Red™ Anti-Human CD244 (CR-65270, Clone:2B4.69), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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