

For Research Use Only

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

Catalog Number: CR-65270



## Basic Information

Catalog Number:

CR-65270

Size:

100 tests, 5 ul/test

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC028073

GeneID (NCBI):

51744

Full Name:

CD244 molecule, natural killer cell receptor 2B4

Purification Method:

Affinity purification

CloneNo.:

2B4.69

Excitation/Emission maxima wavelengths:

592 nm / 611 nm

## 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,  $\gamma\delta$  T cells, a subset of CD8<sup>+</sup> 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, pH7.3

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

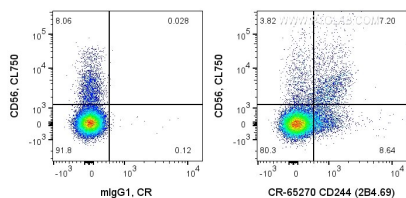
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

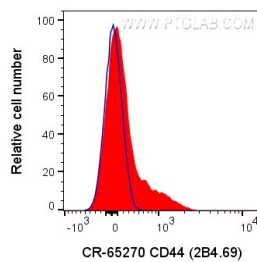
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## Selected Validation Data



1X10<sup>6</sup> 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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