

For Research Use Only

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



Catalog Number: **CR-65270**

## Basic Information

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

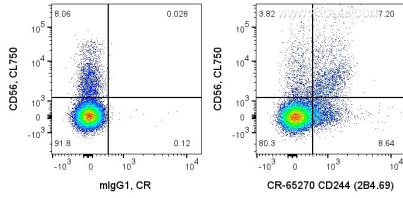
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

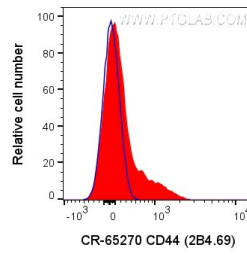
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## Selected Validation Data



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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