

For Research Use Only

FcZero-rAb™ APC Anti-Human CD244 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98133



Basic Information

Catalog Number:

APC-FcA98133

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG32087

GenBank Accession Number:

BC053985

GeneID (NCBI):

51744

Full Name:

CD244 molecule, natural killer cell receptor 2B4

Calculated MW:

365 aa, 41 kDa

Purification Method:

Protein A purification

CloneNo.:

241260G10

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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, pH7.3

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

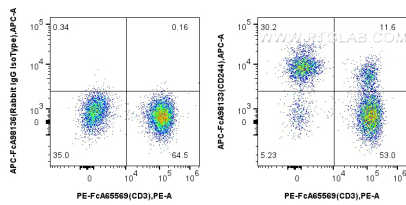
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with PE Anti-Human CD3 (OKT3), and 5 ul APC Anti-Human CD244 Rabbit RecAb (APC-FcA98133, Clone:241260G10) or FcZero-rAb™ APC Rabbit IgG Isotype Control Recombinant Antibody (APC-FcA98136, Clone: 240953C9). Cells were not fixed.