

For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Human CD244 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98133



Basic Information

Catalog Number: CL647-FcA98133	GenBank Accession Number: BC053985	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 51744	CloneNo.: 241260G10
Source: Rabbit	UNIPROT ID: Q9BZW8	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD244 molecule, natural killer cell receptor 2B4	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG32087	Calculated MW: 365 aa, 41 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
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, pH7.3

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

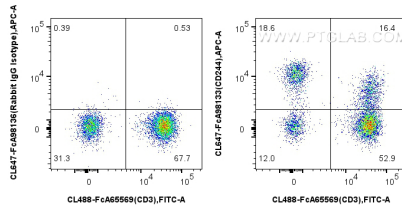
T: 4006900926

E: Proteintech-CN@ptglab.com

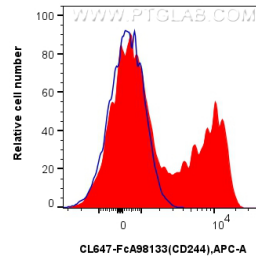
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 (OKT3), and 5 ul CoraLite® Plus 647 Anti-Human CD244 Rabbit RecAb (CL647-FcA98133, Clone: 241260G10) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD244 Rabbit RecAb (CL647-FcA98133, Clone: 241260G10) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.