

CD244 Monoclonal Antibody (eBioPP35 (PP35)), Functional Grade, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	eBioPP35 (PP35)
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_763466

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-dependent	1 Publication
Neutralization (Neu)	-	2 Publications
Functional Assay (FN)	Assay-Dependent	3 Publications

Product Specific Information

Description: The eBioPP35 monoclonal antibody reacts with human CD244, also known as 2B4, p38, NK-cell activation-inducing ligand, signaling lymphocyte activation molecule family member 4, and natural killer cell receptor 2B4. Human CD244 is a 38 kD protein expressed on NK cells, a subset of CD8+ T cells, gammadelta T cells, monocytes, basophils, mast cells, and eosinophils. Binding of CD244 to its ligand, CD48, results in NK cell activation. Costaining experiments with eBioC1.7 suggest that both antibodies recognize different epitopes.

Applications Tested: This eBioPP35 (PP35) antibody has been tested by flow cytometric analysis of human peripheral blood cells.

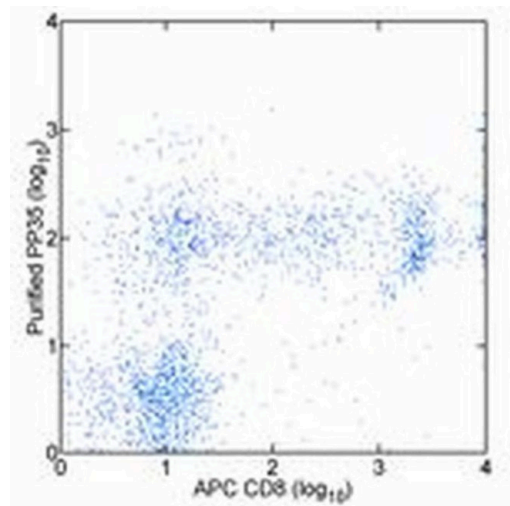
Storage and handling: Use in a sterile environment.

Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.



CD244 Antibody (16-2449-81) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD8a APC (Product # 17-0088-42) and 0.25 µg of Mouse IgG1 K Isotype Control Functional Grade Purified (Product # 16-4714-82) (left) or 0.25 µg of Anti-Human CD244 Functional Grade Purified (right). Cells in the lymphocyte gate were used for analysis.

Flow Cytometry (1)

<p>Cellular & molecular immunology</p> <p>FOXP3 protects conventional human T cells from premature restimulation-induced cell death.</p> <p>"16-2449 was used in Flow cytometry/Cell sorting to describe a novel role for FOXP3 in protecting human Tcons from premature RICD during expansion."</p> <p>Authors: Voss K,Lake C,Luthers CR,Lott NM,Dorjbal B,Arjunaraja S,Bauman BM,Soltis AR,Sukumar G,Dalgard CL, Snow AL</p>	<p>Year 2021</p> <p>Species Human</p>
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Neutralization (2)

<p>PloS one</p> <p>Involvement of CD244 in regulating CD4+ T cell immunity in patients with active tuberculosis.</p> <p>"16-2449 was used in Blocking experiments to investigate the expression and function of CD244/2B4 on CD4(+) T cells from active TB patients and latent infection individuals."</p> <p>Authors: Yang B,Wang X,Jiang J,Cheng X</p>	<p>Year 2013</p> <p>Species Human</p>
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<p>PLoS pathogens</p> <p>Dual function of the NK cell receptor 2B4 (CD244) in the regulation of HCV-specific CD8+ T cells.</p> <p>"16-2449 was used in Blocking experiments to analyse the role of 2B4 as an additional costimulatory receptor regulating CD8+ T cell function."</p> <p>Authors: Schlaphoff V,Lunemann S,Suneetha PV,Jaroszewicz J,Grabowski J,Dietz J,Helfritz F,Bektas H,Sarrazin C, Manns MP,Cornberg M,Wedemeyer H</p>	<p>Year 2011</p> <p>Species Human</p>
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Functional Assay (3)

<p>Frontiers in immunology</p> <p>Targeting LAG-3 and PD-1 to Enhance T Cell Activation by Antigen-Presenting Cells.</p> <p>"16-2449 was used in Functional assays to compare the efficacy of dendritic cell receptor-ligand blockades at various immune checkpoints on T cell activation, an suggest targets for enhanced immunotherapy."</p> <p>Authors: Lichtenegger FS,Rothe M,Schnorfeil FM,Deiser K,Krupka C,Augsberger C,Schlüter M,Neitz J,Subklewe M</p>	<p>Year 2019</p> <p>Species Human</p>
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