

Product datasheet for **AM05193RP-N**

CD45 (PTPRC) (CD45RA) Mouse Monoclonal Antibody [Clone ID: BHKG-2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BHKG-2
Applications:	FC
Recommended Dilution:	Flow Cytometry. Monitoring of Leucocyte cells subsets in peripheral blood. Characterization of subtypes of leukemias and lymphomas. Studies of AIDS virus infection. Studies of multiple sclerosis and other autoimmune disease.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Derived from the hybridization of mouse NS-1 myeloma cells with spleen cells of BALB/c mice immunized with peripheral blood monocytes from rheumatoid arthritis patient
Specificity:	CD45RA recognizes Mr. 220-kda of the Leucocyte Common Antigen (LCA).
Formulation:	PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative. Label: PE State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. Do Not Freeze!
Stability:	Shelf life: One year from despatch.
Gene Name:	protein tyrosine phosphatase, receptor type C
Database Link:	Entrez Gene 5788 Human P08575



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Background:	<p>CD45RA antigen is a member of the CD45 antigen family that also includes CD45, CD45RO, and CD45RB antigens. CD45RA is expressed on approximately 75% of CD8 lymphocytes and 50% of CD4 lymphocytes, all B cells and NK Cells.</p> <p>CD45RA antigen is expressed on naive T lymphocytes, antigen density decreases upon in vitro activation. A decrease antigen density has been demonstrated for CD4+CD45RA+subset with active multiple sclerosis.</p>
Synonyms:	PTPRC, Leukocyte common antigen, L-CA, T200
Note:	<p>Protocol: PBMC:</p> <p>Add 10 ul of MAB/10e6 PBMC in 100 ul PBS.</p> <p>Mix gently and incubate for 15 minutes at 2-8°C.</p> <p>Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.</p> <p>WHOLE BLOOD:</p> <p>Add 10 ul of MAB/100 ul of whole blood.</p> <p>Mix gently and incubate for 15 minutes at room temperature (20°C).</p> <p>Lyse the whole blood.</p> <p>Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.</p> <p>See instrument manufacturers instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.</p>
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Phosphatase, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Fc gamma R-mediated phagocytosis, Primary immunodeficiency, T cell receptor signaling pathway