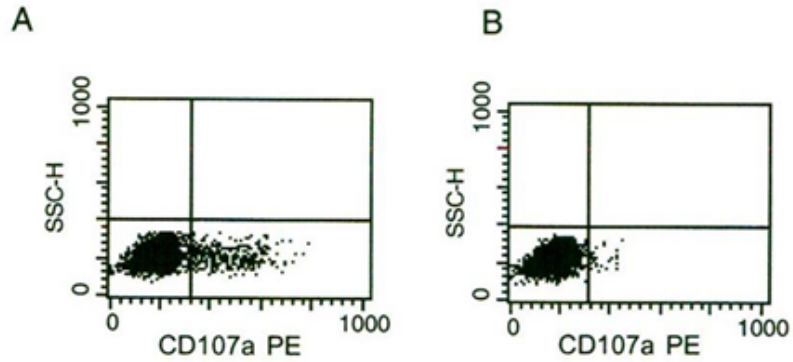


NCR1

Mouse Anti-Human NKp46 (Clone B-L46) mAb, Azide Free

Catalog No.	CDM306A CDM306B	Quantity:	200 µg 500 µg
Alternate Names:	Natural cytotoxicity triggering receptor 1, NCR1, NK cell-activating receptor, CD335, Lymphocyte antigen 94 homolog		
Description:	Natural cytotoxicity receptors (NCRs), are unique markers that regulate natural killer (NK) cell cytotoxicity and cytokine production. The NCR family are comprised of three type I transmembrane (TM) receptors, termed NKp46, NKp44, and NKp30, which are encoded by the genes, NCR1, NCR2, and NCR3, respectively. Even though the NCRs were discovered based on their ability to induce NK cell cytotoxicity of monoclonal antibody (mAb)-coated tumor cell targets, the blocking of individual NCR activity using soluble mAbs had only a mild effect on NK cell cytotoxicity and different tumor cells varied in their susceptibility. Combinations of soluble mAbs to the NCRs were found to have a much stronger blocking effect for selected tumor cell-lines indicating that the NCRs can cooperate with each other to mediate NK cell cytotoxicity of certain tumor cell-types.		
UniProt ID:	O70636		
Gene ID:	9437		
Concentration:	1.0 mg/ml		
Specificity:	Recognizes native and recombinant human NKp46		
Hybridoma:	Myeloma X63/AG.8653 x Balb/c node cells		
Isotype:	Mouse IgG2ak		
Immunogen:	Recombinant human NKp46/Fc		
Clone:	B-L46		
Formulation:	Sterile filtered PBS, carrier and preservative free.		
Purification:	Affinity chromatography from serum free cell culture supernatant.		
Biological Activity:	Measured by the ability of an antibody-coated culture surface to induce degranulation of activated NK cells and to enhance IFN γ secretion by non-activated NK cells. See Figure.		
Applications:	Functional Studies		
Storage & Stability:	Store at 2-8°C for up to 1 year or in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

CD107a (degranulation marker) surface expression on activated NK cells: IL-2-activated NK are cultured 4 hours on coated anti-NKp46 monoclonal antibody (A) or on IgG2a isotypic control (B).



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