

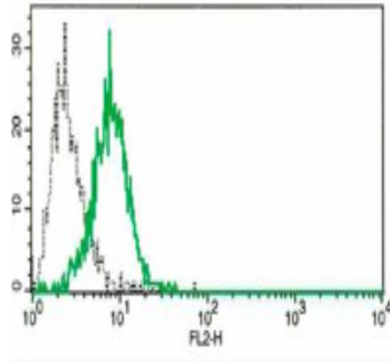
NCR1

Mouse Anti-Human NKp46 (Clone B-N40) mAb

Catalog No.	CDM299	Quantity:	200 tests
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:	O76036		
Gene ID:	9437		
Conjugate:	Unconjugated		
Specificity:	Recognizes human NKp46, a 26.6 kDa protein		
Host:	Mouse		
Isotype:	IgG1k		
Immunogen:	Recombinant human NKp46		
Clone:	B-N40		
Hybridoma:	Myeloma X63/AG.8653 x Balb/c node cells		
Formulation:	PBS containing 1 % BSA and 0.09 % sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Ion exchange chromatography		
Concentration:	200 tests/ 2 ml		
Applications:	Flow Cytometry		
Application Notes:	Use 10 µl to label 10 ⁶ cells or 100 µl of whole blood. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Stable at 2-8°C for 12 months. For longer storage, freeze aliquots at -20 to -80°C. Avoid repeated freeze-thaw cycles.		



Flow cytometric analysis with the B-N40 monoclonal antibody on YT cell line



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