

Monoclonal Antibody to NKG2A/C/E - FITC

Alternate names:	CD159a, CD159c, CD159e, NKG2 lectin-like family
Catalog No.:	SM2091F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	In mice, NKG2 subunits associate with CD94 to form heterodimers at the surface of natural killer (NK) cells. The CD94/NKG2 heterodimer is the receptor for a non-classical MHC class I ligand, which is Qa-1 in the mouse.
Host / Isotype:	Rat / IgG2a
Clone:	20d5
Immunogen:	CHO transfected cells expressing the B6 allele of NKG2A. Spleen cells from immunised Lewis rats were fused with cells of the mouse P3X63-Ag8.653 myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Neat - 1/5; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises NKG2A, NKG2C and NKG2E, which are isoforms of the NKG2 lectin-like family. Clone 20d5 is reported to block ligand binding to the receptor. We recommend the use of SM2091LE for this purpose. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Vance, R. E. et al. (1999) Recognition of the Class Ib Molecule Qa-1b by Putative Activating Receptors CD94/NKG2C and CD94/NKG2E on Mouse Natural Killer Cells. J. Exp. Med. 190:1801-1812. 2. Vance, R. E. et al. (2002) Implications of CD94 deficiency and monoallelic NKG2A expression for natural killer cell development and repertoire function. Proc. Natl. Acad. Sci. USA. 99:868-873.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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