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SM2091LE Monoclonal Antibody to NKG2A/C/E - Low Endotoxin

Alternate names:	CD159a, CD159c, CD159e, NKG2 lectin-like family
Quantity:	0.5 mg
Concentration:	1.0 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
Recommended Isotype Controls:	SM26LE
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
Applications:	Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Functional Assays. 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. **Species:** Mouse. Other species not tested.
Add. Information:	Endotoxin Level: less than 0.01 Eu/µg
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Vance RE, Jamieson AM, Raulet DH. Recognition of the class Ib molecule Qa-1(b) by putative activating receptors CD94/NKG2C and CD94/NKG2E on mouse natural killer cells. J Exp Med. 1999 Dec 20;190(12):1801-12. PubMed PMID: 10601355. 2. Vance RE, Jamieson AM, Cado D, Raulet DH. Implications of CD94 deficiency and monoallelic NKG2A expression for natural killer cell development and repertoire formation. Proc Natl Acad Sci U S A. 2002 Jan 22;99(2):868-73. Epub 2002 Jan 8. PubMed PMID: 11782535.