



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Rat Anti-Mouse NKG2A/C/E:FITC

**Catalog No.**  
DS-MB-03954

**Target Species**  
Mouse

**Isotype**  
IgG2a

## Preparation

**Purification:** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Immunogen:** CHO transfected cells expressing the B6 allele of NKG2A.

**Fusion Partners:** Spleen cells from immunised Lewis rats were fused with cells of the mouse P3X63-Ag8.653 myeloma cell line.

## Specificity

DS-MB-03954 recognizes murine NKG2A, NKG2C and NKG2E, which are isoforms of the NKG2 lectin-like family. 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.

## Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Buffer Solution:** Phosphate buffered saline pH7.4

**Preservative Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>), 1% Bovine Serum Albumin

**Approx. Protein Concentrations:** IgG concentration 0.1 mg/ml

## Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry	•			Neat - 1/5
Elisa			•	
Western Blotting			•	

**Note:** Other applications are not tested yet. Optimal dilutions should be determined.

(1) Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### **Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of dispatch.

### **References**

1. Vance, R. E. *et al.* (1999) Recognition of the Class Ib Molecule Qa-1<sup>b</sup> 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.

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