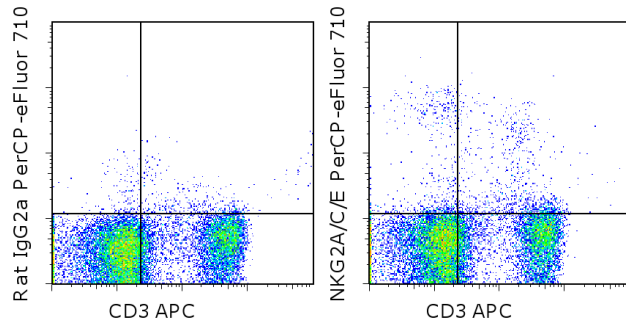


## Anti-Mouse NKG2A/C/E PerCP-eFluor<sup>®</sup> 710

**Catalog Number:** 46-5896

**Also known as:** NKG2A, NKG2C, NKG2E

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of C57Bl/6 splenocytes with Anti-Mouse CD3e APC (cat. 17-0031) and 0.06 ug of Rat IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (cat. 46-4321) (left) or 0.06 ug of Anti-Mouse NKG2A/C/E PerCP-eFluor<sup>®</sup> 710 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Mouse NKG2A/C/E PerCP-eFluor<sup>®</sup> 710

**REF** **Catalog Number:** 46-5896

**Clone:** 20d5

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rat IgG2a, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

### Description

The 20d5 monoclonal antibody reacts with the mouse NKG2A, C, and E. NKG2 molecules belong to a C-type lectin-like family of cell surface receptors expressed by mouse NK and NKT cell lineages. NKG2 molecules form heterodimeric complexes with CD94 and are responsible for recognition of non-classical MHC class I antigen Qa-1.

When co-staining with NKG2A<sup>B6</sup> clone 16a11, it is important to stain for NKG2A-B6 first then subsequently with NKG2A/C/E, as steric hindrance has been observed if co-stained concurrently.

### Applications Reported

This 20d5 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 20d5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

PerCP-eFluor<sup>®</sup> 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor<sup>®</sup> 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor<sup>®</sup> 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor<sup>™</sup> Organic Dyes including PerCP-eFluor<sup>®</sup> 710.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.ebioscience.com](http://www.ebioscience.com) •  
[info@ebioscience.com](mailto:info@ebioscience.com)

---

## **Anti-Mouse NKG2A/C/E PerCP-eFluor<sup>®</sup> 710**

**Catalog Number:** 46-5896

**Also known as:** NKG2A, NKG2C, NKG2E

**RUO: For Research Use Only. Not for use in diagnostic procedures.**

---

### **References**

Fraser KP, Gays F, Robinson JH, van Beneden K, Leclercq G, Vance RE, Raulet DH, Brooks CG. NK cells developing in vitro from fetal mouse progenitors express at least one member of the Ly49 family that is acquired in a time-dependent and stochastic manner independently of CD94 and NKG2. *Eur J Immunol.* 2002. 32:868-78.

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. 99:868-73.

Kraft JR, Vance RE, Pohl J, Martin AM, Raulet DH, Jensen PE. 2000. Analysis of Qa-1(b) peptide binding specificity and the capacity of CD94/NKG2A to discriminate between Qa-1-peptide complexes. *J Exp Med.* 2000. 192:613-24.

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. 190:1801-12.

Vance RE, Kraft JR, Altman JD, Jensen PE, Raulet DH. Mouse CD94/NKG2A is a natural killer cell receptor for the nonclassical major histocompatibility complex (MHC) class I molecule Qa-1(b). *J Exp Med.* 188:1841-8. 1998

Vance RE, Tanamachi DM, Hanke T, Raulet DH. Cloning of a mouse homolog of CD94 extends the family of C-type lectins on murine natural killer cells. *Eur J Immunol.* 1997. 27:3236-41

### **Related Products**

17-0031 Anti-Mouse CD3e APC (145-2C11)

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor<sup>®</sup> 710 (eBR2a)