

DESCRIPTION

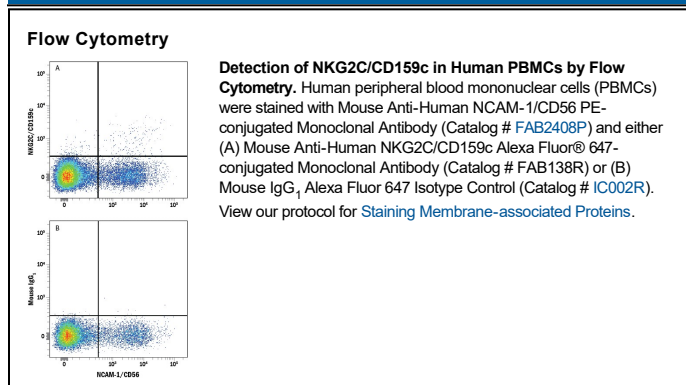
| | |
|---------------------------|--|
| Species Reactivity | Human |
| Specificity | Detects human NKG2C/CD159c heterodimer with CD94 in flow cytometry. It does not cross-react with the human NKG2A/CD94 heterodimer or with the human CD94 homodimer. |
| Source | Monoclonal Mouse IgG ₁ Clone # 134591 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | BaF3 mouse pro-B cell line transfected with human NKG2C/CD159c and CD94 |
| Conjugate | Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm |
| Formulation | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|-----------------------|----------------------------------|---------------|
| Flow Cytometry | 5 µL/10 ⁶ cells | See Below |

DATA



PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

NKG2C is a type II transmembrane glycoprotein member of the NKG2 family of molecules. It is expressed by CD4⁺ and CD8⁺ T cells, and is known to appear on NK cells. On the cell surface, NKG2C forms a covalent heterodimer with CD94. In the configuration, it recognizes HLA-E determinants on target cells, inducing activation and degranulation of the expressing lymphocyte. The human and mouse extracellular domains have 40% amino acid sequence identity.

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