

#### DESCRIPTION

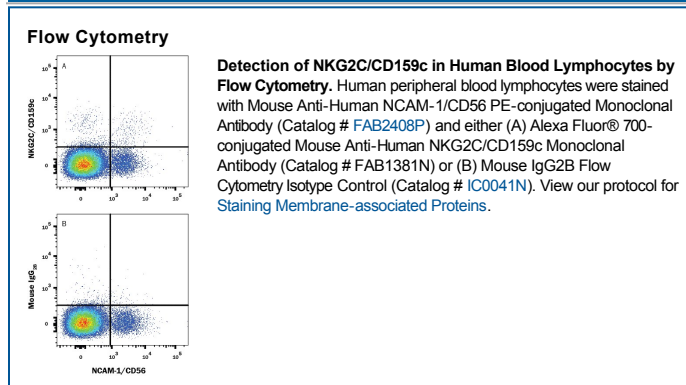
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human NKG2C/CD159c. Detects human NKG2C/CD159c as part of the NKG2C/CD94 heterodimer in flow cytometry. No cross-reactivity with the human NKG2A/CD94 heterodimer or with the human CD94 homodimer is detected.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 134522
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	BaF3 mouse pro-B cell line transfected with human NKG2C/CD159c and CD94
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	See Below

#### DATA



#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

NKG2C, also known as hemoglobin scavenger receptor, is a type II transmembrane protein expressed exclusively in monocytes and macrophages. It is a scavenger receptor cysteine-rich superfamily (SRCR-SF) protein that contains nine SRCR motifs in its extracellular region. MAB1381 displays potent agonistic activity and also blocks the binding of the NKG2C/CD94 heterodimer to HLA-E tetramers (1-3).

#### References:

1. Alici, E. *et al.* (2008) *Blood* **111**:3155.
2. Coupel, S. *et al.* (2007) *Blood* **109**:2806.
3. Fausther-Bovendo, H. *et al.* (2008) *AIDS* **22**:217.

**PRODUCT SPECIFIC NOTICES**

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