Human NKG2C/CD159c Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 134522

Catalog Number: FAB1381T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	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.
Source	Monoclonal Mouse IgG_{2B} Clone # 134522
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 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	Human peripheral blood lymphocytes

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, 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.

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