

DESCRIPTION

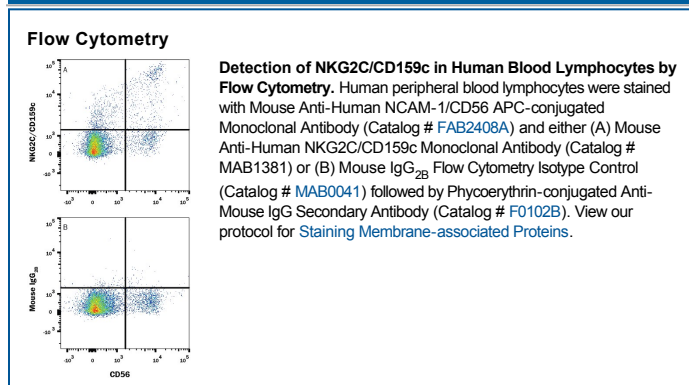
Species Reactivity	Human
Specificity	Detects human NKG2C/CD159c. Detects human NKG2C/CD159c as part of the NKG2C/CD94 heterodimer in flow cytometry. No cross-reactivity with the human NKG2A/CD94 heterodimer or with the human CD94 homodimer is detected.
Source	Monoclonal Mouse IgG _{2B} Clone # 134522
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	BaF3 mouse pro-B cell line transfected with human NKG2C/CD159c and CD94
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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 µg/10 ⁶ cells	See Below
CytoF-reported	Strauss-Albee, D.M. <i>et al.</i> (2015) <i>Sci. Transl. Med.</i> 7: 297ra115. Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.