**Species Reactivity**: Human

**Specificity**: Recognizes the human NKG2A/CD94 heterodimer. It does not recognize the NKG2C/CD94 heterodimer or the CD94 homodimer.

**Source**: Monoclonal Mouse IgG2A Clone # 131411

**Purification**: Protein A or G purified from hybridoma culture supernatant

**Immunogen**: BaF3 mouse pro-B cell line transfected with human NKG2A and CD94

**Conjugate**: Phycoerythrin

**Excitation Wavelength**: 488 nm

**Emission Wavelength**: 565-605 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.

<table>
<thead>
<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>10 µL/10^6 cells</td>
<td>See Below</td>
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</table>

**DATA**

**Flow Cytometry**

Detection of NKG2A/CD159a in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human NCAM-1/CD56 APC-conjugated Monoclonal Antibody (Catalog # FAB2408A) and either (A) Mouse Anti-Human NKG2A/CD159a PE-conjugated Monoclonal Antibody (Catalog # FAB1059P) or (B) Mouse IgG2A Phycoerythrin Isotype Control (Catalog # IC003P).

View our protocol for Staining Membrane-associated Proteins.

**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**

NKG2A, also known as CD159a, is a type II transmembrane receptor having a single extracellular lectin-like domain and a cytoplasmic ITIM motif. It associates with CD94 and is expressed on NK cells and some activated T cell populations. The NKG2A/CD94 complex delivers an inhibitory signal upon recognition of its ligand, HLA-E.