

DESCRIPTION	
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Recognizes the human NKG2A/CD94 heterodimer. It does not recognize the NKG2C/CD94 heterodimer or the CD94 homodimer.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 131411
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	BaF3 mouse pro-B cell line transfected with human NKG2A and CD94
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	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		
<b>Please Note:</b> Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

DATA	
<p><b>Flow Cytometry</b></p>	<p><b>Detection of NKG2A/CD159a in Human PBMCs by Flow Cytometry.</b> 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 IgG<sub>2A</sub> Phycoerythrin Isotype Control (Catalog # IC003P). View our protocol for <a href="#">Staining Membrane-associated Proteins</a>.</p>

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**  
NKG2A 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.