

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects KIR2DS4/CD158i in Western blots. In flow cytometry, this antibody stains cells transfected with KIR2DS4/CD158i. Does not stain cells transfected with KIR2DL1, 2DL2, 2DL3, 2DL4, 2DL5, 2DS1, 2DS2, 3DL1, 3DL2, or 3DS1.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 179315
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	BaF3 mouse pro-B cell line transfected with human KIR2DS4 Accession # P43632
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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	Human whole blood CD56 <sup>+</sup> natural killer cells

#### 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

KIR2DS4 is an activating immunoglobulin-like receptor expressed on NK cells and some T cells. It has been implicated in the recognition of some HLA-C alleles (1). A deletion variant encoding a single domain secreted isoform of KIR2DS4 has also been described (2).

#### References:

1. Katz, G. *et al.* (2001) *J. Immunol.* **166**:7260.
2. Maxwell, L. *et al.* (2002) *Tissue Antigens* **60**:254.

#### PRODUCT SPECIFIC NOTICES

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