

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human KIR2DS1/CD158h in flow cytometry. Clone 1127B recognizes KIR2DS1 and some alleles of KIR2DL1, both members of the killer cell immunoglobulin-like receptor (KIR) family. Because Clone 1127B displays partial cross-reactivity with KIR2DL1, co-staining with Mouse Anti-Human KIR2DL1 Clone 143211 (Catalog # FAB1844F) is recommended.
<b>Source</b>	Monoclonal Rabbit IgG Clone # 1127B
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human KIR2DS1/CD158h Met1-His245 Accession # Q14954
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human peripheral blood mononuclear cells (PBMCs)

#### 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

The KIRs comprise a family of 14 polymorphic and homologous activating and inhibitory receptors expressed primarily on CD56<sup>dim</sup> NK cells. KIR2DS1 is an activating receptor with high homology to the inhibitory receptor KIR2DL1. Both KIR2DL1 and KIR2DS1 bind to HLA-C alleles containing the C2 epitope. KIR2DS1 and KIR2DL1 expression regulates NK cell licensing and activation in a number of immune contexts.

#### PRODUCT SPECIFIC NOTICES

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