

## DESCRIPTION

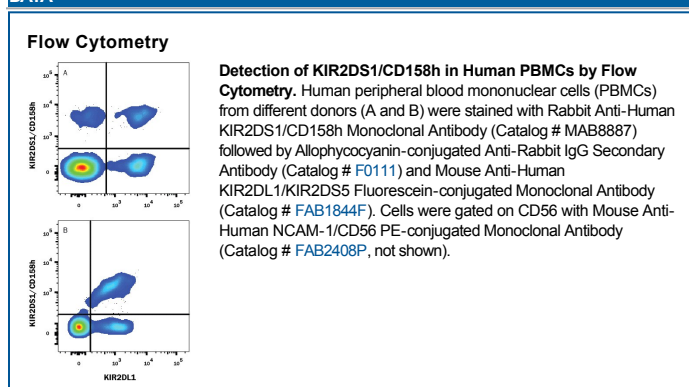
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human KIR2DS1/CD158h in flow cytometry. Clone 1127B recognizes KIR2DS1 and some alleles of KIR2DL1, both members of the killer cell immunoglobulin-like receptor (KIR) family. Because Clone 1127B displays partial cross-reactivity with KIR2DL1, co-staining with Mouse Anti-Human KIR2DL1 Clone 143211 (Catalog # FAB1844F) is recommended.
<b>Source</b>	Recombinant 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>Formulation</b>	Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. 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
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. 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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 °C, as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after opening.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after opening.</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

\* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.