# Human KIR2DS1/CD158h Alexa Fluor® 405-conjugated Antibody

Monoclonal Rabbit IgG Clone # 1127B
Catalog Number: FAB8887V
100 µg

## DESCRIPTION

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|---|---|
| **Species Reactivity** | Human |
| **Specificity** | 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. |
| **Source** | Monoclonal Rabbit IgG Clone # 1127B |
| **Purification** | Protein A or G purified from cell culture supernatant |
| **Immunogen** | HEK293 human embryonic kidney cell line transfected with human KIR2DS1/CD158h<br>Met1-His245<br>Accession # Q14954 |
| **Conjugate** | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm |
| **Formulation** | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*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 |
|---|---|---|
| **Flow Cytometry** | 0.25-1 µg/$10^6$ cells | Human peripheral blood mononuclear cells (PBMCs) |

## PREPARATION AND STORAGE

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| **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.**<br>● 12 months from date of receipt, 2 to 8 °C as supplied. |

## BACKGROUND

The KIRs comprise a family of 14 polymorphic and homologous activating and inhibitory receptors expressed primarily on $CD56^{dim}$ 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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