

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human KIR2DL1/KIR2DS5 on transfected cells. It does not stain cells transfected with KIR2DL2, 2DL3, 2DL4, 2DL5, 2DS1, 2DS2, 2DS4, 3DL1, 3DL2, or 3DS1. |
| Source | Monoclonal Mouse IgG ₁ Clone # 143211 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | BaF3 mouse pro-B cell line transfected with human KIR2DL1/KIR2DS5 Accession # P43626 |
| Conjugate | Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm |
| Formulation | 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 |
|-----------------------|----------------------------------|--|
| Flow Cytometry | 0.25-1 µg/10 ⁶ cells | Human whole blood CD56 ⁺ natural killer cells |

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

KIR2DL1 is one of several immunoglobulin-like receptors expressed on NK cells that bind MHC class I molecules and transmit inhibitory signals. KIR2DL1 is specific for HLA-C alleles with Asn77 and Lys80.

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