**DESCRIPTION**

**Species Reactivity**: Human

**Specificity**: Detects human KIR2DL3/CD158b2. Stains BaF3 cells transfected with human KIR2DL3 in flow cytometry. Does not stain BaF3 cells transfected with KIR2DL1, 2DL2, 2DL4, 2DL5, 2DS1, 2DS2, 2DS4, 3DL1, 3DL2, or 3DS1.

**Source**: Monoclonal Mouse IgG<sub>2A</sub> Clone # 180701

**Purification**: Protein A or G purified from hybridoma culture supernatant

**Immunogen**: BaF3 mouse pro-B cell line transfected with human KIR2DL3/CD158b2

**Accession**: P43628

**Conjugate**: Fluorescein

**Excitation Wavelength**: 488 nm

**Emission Wavelength**: 515-545 nm (FITC)

**Formulation**: Supplied 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.

<table>
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<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
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<td>Flow Cytometry</td>
<td>10 µL/10⁶ cells</td>
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**DATA**

**Flow Cytometry**

Detection of KIR2DL3/CD158b2 in Human PBMCS by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCS) were stained with Mouse Anti-Human KIR2DL3/CD158b2 Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB2014F) and Mouse Anti-Human NCAM-1/CD56-PE-conjugated Monoclonal Antibody (Catalog # FAB2408P). View our protocol for Staining Membrane-associated Proteins.

**PREPARATION AND STORAGE**

**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.

- 12 months from date of receipt, 2 to 8 °C as supplied.

**BACKGROUND**

KIR2DL3 is one of several immunoglobulin-like receptors expressed on NK and T cells that bind MHC class I molecules and regulate killer cell activity. KIR2DL3 interacts specifically with HLA-Cw3.