Human IgD Antibody
Monoclonal Mouse IgG2A Clone # IA6-2
Catalog Number: MAB9857

DESCRIPTION
Species Reactivity Human
Specificity Detects human IgD in Flow Cytometry.
Source Monoclonal Mouse IgG2A Clone # IA6-2
Purification Protein A or G purified from hybridoma culture supernatant
Immunogen Human IgD
Formulation Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.
*Small pack size (-SP) is supplied either lyophilized or 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.

<table>
<thead>
<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Flow Cytometry 0.25 μg/10⁶ cells</td>
<td>See Below</td>
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<tr>
<td>CyTOF-ready</td>
<td>Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.</td>
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DATA
Detection of IgD in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human CD19 PE-conjugated Monoclonal Antibody (Catalog # FAB4867P) and either (A) Mouse Anti-Human IgD Monoclonal Antibody (Catalog # MAB9857) or (B) Mouse IgG2A Isotype Control (Catalog # MAB003) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE
Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping The product is shipped at ambient temperature. 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.
Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
• 12 months from date of receipt, -20 to -70 °C as supplied.
• 1 month, 2 to 8 °C under sterile conditions after reconstitution.
• 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND
Immunoglobulin D (IgD) is an antibody isotype typically expressed in the plasma membranes of naïve B cells, usually co-expressed with IgM. IgD is also found secreted in small amounts in serum. Secreted IgD is produced as a monomeric antibody with two heavy chains of the delta class, and two Ig light chains.