

## **Mouse IgD Antibody**

Monoclonal Rat IgG<sub>2A</sub> Clone # 11-26C Catalog Number: MAB9858

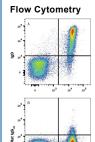
DESCRIPTION	
Species Reactivity	Mouse
Specificity	Reacts with the delta chain of Mouse IgD of all haplotypes and does not cross-react with other immunoglobulin isotypes.
Source	Monoclonal Rat IgG <sub>2A</sub> Clone # 11-26C
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse 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.

	Recommended Sample Concentration
Flow Cytometry	0.25 μg/10 <sup>6</sup> cells See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfe with conjugation.

## DATA



Detection of IgD in Mouse Splenocytes by Flow Cytometry
Mouse splenocytes were stained with Rat Anti-Mouse B220/CD45R
PE-conjugated Monoclonal Antibody (Catalog # FAB1217P) and
either (A) Rat Anti-Mouse IgD Monoclonal Antibody (Catalog #
MAB9858) or (B) Rat IgG2A Isotype Control (Catalog # MAB006)
followed by Allophycocyanin-conjugated Anti-Rat IgG Secondary
Antibody (Catalog # F0113). View our protocol for Staining
Membrane-associated Proteins.

PREPARATION AND STORAGE
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**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.

