

PE/Cyanine5 anti-human IgD

Catalog # / Size: 2341245 / 25 tests
2341250 / 100 tests

Clone: IA6-2

Isotype: Mouse IgG2a, κ

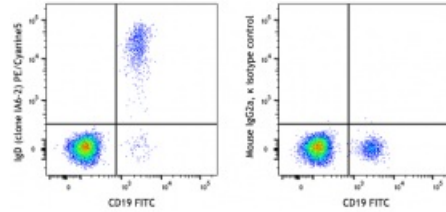
Immunogen: Human IgD

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cyanine5 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with anti-human IgD (clone IA6-2) PE/Cyanine5 (left) or mouse IgG2a, κ PE/Cyanine5 isotype control (right). Cells were co-stained with CD19 FITC.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of paraformaldehyde fixed frozen sections.⁴

- Application References:**
1. Chen K, *et al.* 2009. *Nat. Immunol.* 10:889.
 2. Lee CH, *et al.* 2005. *J. Exp. Med.* 203:63.
 3. Sutter JA, *et al.* 2008. *Clin. Immunol.* 126:282.
 4. Li H and Pauza CD. 2015. *Eur. J. Immunol.* 45:298. (IHC)

Description: IgD, a member of the immunoglobulin (Ig) family, is expressed in naïve B cells. It has 3 Ig-like domains and exists in a transmembrane and a soluble form. In general, IgD is not secreted and usually its expression is lost after the Ig isotype switch. After antigen binding, IgD signals through the CD79a/CD79b (Igα/Igβ) heterodimer, resulting in the activation of the B cell.

- Antigen References:**
1. Geisberger R, *et al.* 2006. *Immunology* 118:429.
 2. Weller S, *et al.* 2005. *Eur. J. Immunol.* 35:2789.
 3. Brandtzaeg P and Johansen FE. 2005. *Immunol. Rev.* 206:32.