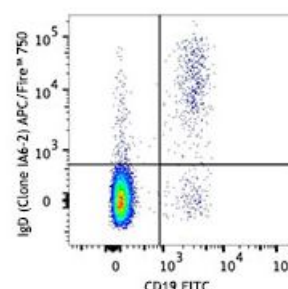


# APC/Fire™ 750 anti-human IgD

<b>Catalog # /</b>	2341185 / 25 tests
<b>Size:</b>	2341190 / 100 tests
<b>Clone:</b>	IA6-2
<b>Isotype:</b>	Mouse IgG2a, κ
<b>Immunogen:</b>	Human IgD
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with APC/Fire™
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Workshop Number:</b>	750 under optimal conditions.
<b>Concentration:</b>	Lot-specific



Human peripheral blood lymphocytes were stained with CD19 FITC and IgD (clone IA6-2) APC/Fire™ 750 (top) or mouse IgG2a, κ APC/Fire™ 750 isotype control (bottom).

## Applications:

**Applications:** Flow Cytometry

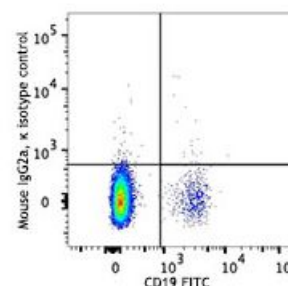
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

\* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

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

**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.