

**PE/Cy5 anti-mouse CD19**

**Catalog # / Size:** 1177545 / 25 µg  
1177550 / 100 µg

**Clone:** 6D5

**Isotype:** Rat IgG2a, κ

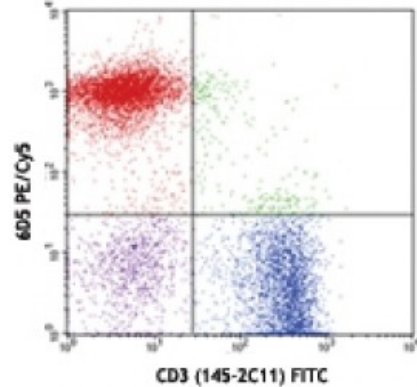
**Immunogen:** Mouse CD19-expressing K562 human erythroleukemia cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE/Cy5 under optimal conditions. The solution is free of unconjugated PE/Cy5 and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2



C57BL/6 splenocytes were stained with CD19 (clone 6D5) PE/Cy5 and CD3 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 ≤ 0.25 microg per 10<sup>6</sup> cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunofluorescence<sup>7</sup>.

**Application References:**

1. Shoham T, *et al.* 2003. *J. Immunol.* 171:4062. (FC)
2. Goodyear CS, *et al.* 2004. *J. Immunol.* 172:2870. (FC)
3. Kamimura D, *et al.* 2006. *J. Immunol.* 177:306. (FC)
4. Andoniou CE, *et al.* 2005. *Nat. Immunol.* 6:1011. (FC)
5. Lawson BR, *et al.* 2007. *J. Immunol.* 178:5366. (FC)
6. Phan TG, *et al.* 2007. *Nat. Immunol.* 8:992. (FC)
7. Hayashida K, *et al.* 2008. *J. Biol. Chem.* 283:19895. (IF) [PubMed](#)
8. Charles N, *et al.* 2010. *Nat. Med.* 16:701. (FC) [PubMed](#)
9. Bankoti J, *et al.* 2010. *Toxicol. Sci.* 115:422. (FC) [PubMed](#)
10. Stadnisky MD, *et al.* 2011. *Blood.* 117:5133. (FC) [PubMed](#)
11. Perlot T, *et al.* 2012. *J. Immunol.* 188:1201. (FC) [PubMed](#)
12. Wiesner DL, *et al.* 2015. *PLoS Pathog.* 11:1004701. [PubMed](#)

**Description:** CD19 is a 95 kD glycoprotein also known as B4. It is a member of the Ig superfamily, expressed on all pro-B to mature B cells (during development) and follicular dendritic cells. Plasma cells do not express CD19. CD19, in association with CD21 and CD81, forms a molecular complex integral to B cell activation.

**Antigen References:**

1. Fearon DT. 1993. *Curr. Opin. Immunol.* 5:341.
2. Krop I, *et al.* 1996. *Eur. J. Immunol.* 26:238.
3. Krop I, *et al.* 1996. *J. Immunol.* 157:48.
4. Tedder TF, *et al.* 1994. *Immunol.*