

**FITC anti-mouse CD19**

**Catalog # / Size:** 1107525 / 50 µg  
1107530 / 500 µg

**Clone:** MB19-1

**Isotype:** Mouse IgA, κ

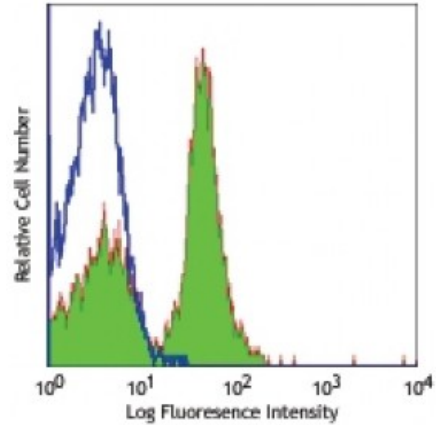
**Immunogen:** mouse CD19+ pre-B cell line 300.19

**Reactivity:** Mouse

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

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

**Concentration:** 0.5



C57BL/6 mouse splenocytes stained with MB19-1 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 ≤1.0 microg per million 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: immunoprecipitation<sup>3</sup>, and *in vitro* costimulation (synergistic with anti-IgM) of B cell activation<sup>1,2</sup>.

**Application References:**

1. Sato S, *et al.* 1997. *J. Immunol.* 158:4662. (Costim)
2. Sato S, *et al.* 1997. *P. Natl. Acad. Sci. USA* 94:13158. (Costim)
3. Krop I, *et al.* 1996. *Eur. J. Immunol.* 26:238. (IP)
4. Sato S, *et al.* 1996. *J. Immunol.* 157:4371.
5. Stolk M, *et al.* 2006. *J. Leukoc. Biol.* doi:10.1189/jlb.1205739. (FC)
6. Herder V, *et al.* 2012. *J. Neuroimmunol.* 249:27. [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.*