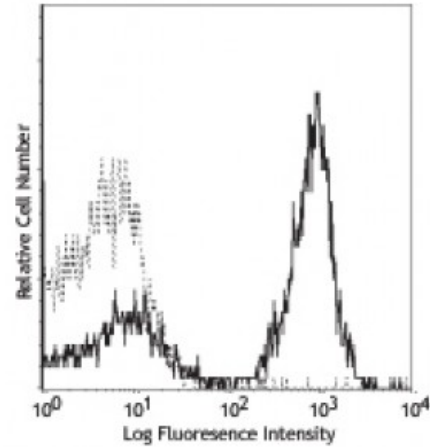


Biotin anti-mouse CD19

Catalog # / Size: 1107520 / 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 biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



C57BL/6 splenocytes stained with MB19-1 biotin, then detected with Sav-PE

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: immunoprecipitation³, and *in vitro* costimulation (synergistic with anti-IgM) of B cell activation^{1,2}.
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. Shime H, *et al.* 2012. *PNAS.* 109:2066. [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.*