

Product Data Sheet

PE anti-human CD19

Catalog # / Size: 302207 / 25 tests
302208 / 100 tests

Clone: HIB19

Isotype: Mouse IgG1, κ

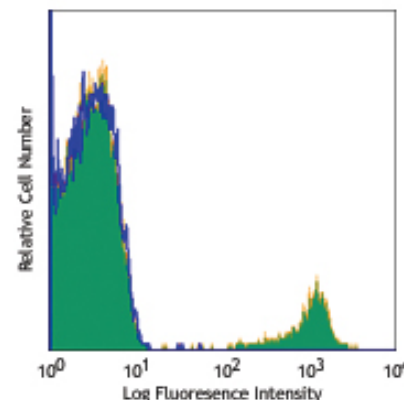
Workshop Number: V CD19.11

Reactivity: Human, **Cross-Reactivity:** Chimpanzee

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

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

Storage: The CD19 antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with HIB19 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections and blocking of B cell proliferation. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 302214).

Application References:

- Schlossman S, *et al.* 1995. Leucocyte Typing V. Oxford University Press. New York.
- Knapp W, *et al.* 1989. Leucocyte Typing IV. Oxford University Press. New York.
- Bradbury L, *et al.* 1993. *J. Immunol.* 151:2915.
- Joseph A, *et al.* 2010. *J. Virol.* 84:6645. PubMed
- Wang X, *et al.* 2010. *Haematologica.* 95:884. (FC) PubMed
- Walker JD, *et al.* 2009. *J. Immunol.* 182:1548. (Block) PubMed
- Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)

Description: CD19 is a 95 kD type I transmembrane glycoprotein also known as B4. It is a member of the immunoglobulin superfamily expressed on B-cells (from pro-B to blastoid B cells, absent on plasma cells) and follicular dendritic cells. CD19 is involved in B cell development, activation, and differentiation. CD19 forms a complex with CD21 (CR2) and CD81 (TAPA-1), and functions as a BCR co-receptor.

Antigen References:

- Tedder T, *et al.* 1994. *Immunol. Today* 15:437.
- Bradbury L, *et al.* 1993. *J. Immunol.* 151:2915.

Related Products:

Product
 PE anti-human CD3
 PE anti-human CD3
 PE Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 HIT3a
 UCHT1
 MOPC-21

Application
 FC
 FC
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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