

**redFluor™ 710 Anti-Human CD19 (HIB19) Antibody**  
**Catalog # ATB10408**

**Specification**

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**redFluor™ 710 Anti-Human CD19 (HIB19) Antibody - Product Information**

Application	FC
Isotype	Mouse IgG1, kappa
Concentration	5 uL (0.125 ug)/test
Reactivity	Human
Formulation	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% NaN <sub>3</sub> , 0.1% gelatin, pH7.2
Host	Mouse

**redFluor™ 710 Anti-Human CD19 (HIB19) Antibody - Additional Information**

Gene ID	930
Gene Name	CD19
Alternative Name(s)	
Leu-12, B4	

**Format**  
redFluor™ 710

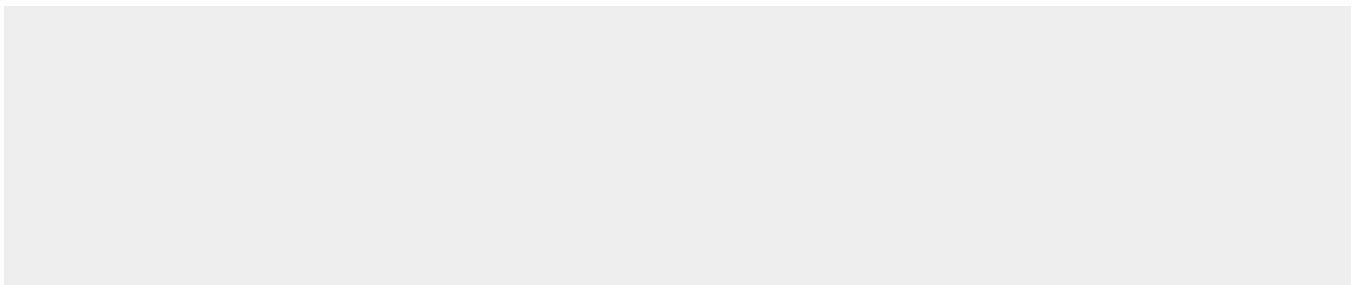
**Storage Conditions**  
2-8°C protected from light

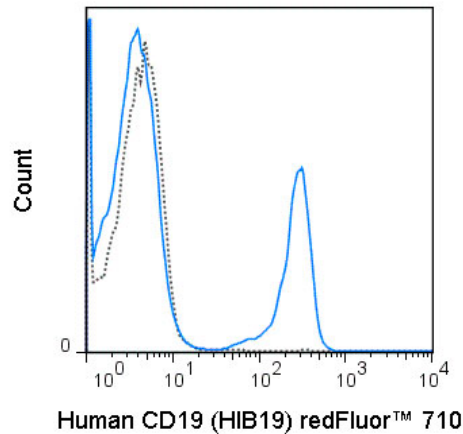
**redFluor™ 710 Anti-Human CD19 (HIB19) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**redFluor™ 710 Anti-Human CD19 (HIB19) Antibody - Images**





Human peripheral blood lymphocytes were stained with 5 uL (0.125 ug) redFluor™ 710 Anti-Human CD19 (ATB10408) (solid line) or 0.125 ug redFluor™ 710 Mouse IgG1 isotype control.

### **redFluor™ 710 Anti-Human CD19 (HIB19) Antibody - Background**

The HIB19 antibody reacts with human CD19, a 95 kDa glycoprotein which acts as a co-receptor, along with CD21, CD81 and CD225, in support of the functional B cell receptor (BCR). This complex provides antigen-specific recognition and subsequent activation of B cells to proliferate and differentiate into antibody-secreting cells (plasma cells) or memory B cells, which are crucial for secondary antigen encounter. CD19 is a lineage-differentiation marker, as its expression is detectable at the earliest B cell stages, through development, and is finally lost upon transition to mature plasma cells.

The HIB19 antibody is widely used as a phenotypic marker for CD19 expression on B cells, as well as on dendritic cell subsets.

### **redFluor™ 710 Anti-Human CD19 (HIB19) Antibody - References**

Kroenke MA, Eto D, Locci M, Cho M, Davidson T, Haddad EK, and Crotty S. 2012. J. Immunol. 188: 3734-3744. (Flow cytometry)

So NSY, Ostrowski MA, and Gray-Owen SD. 2012. J. Immunol. 188: 4008-4022. (in vitro cell capture for microscopy)

Zhang L, Yang N, Conejo-Garcia J-R, Katsaros D, Mohamed-Hadley A, Fracchioli S, Schlienger K, Toll A, Levine B, Rubin SC, and Coukos G. 2003. Clin. Cancer Res. 9: 264 - 272. (Immunohistochemistry)

Hibe W, Dirnhofer S, Oberwasserlechner F, Eisterer W, Amman K, Schmid T, Hilbe G, Thaler J, and Woll E. 2003. J. Clin. Pathol. 56: 736-741. (Immunohistochemistry - frozen tissues)