

## Technical Data Sheet

### Anti-Human CD19

**Catalog Number:** 101201, 101202

**Size:** 100 ug, 500 ug

**Target Name:** CD19, B4, CVID3, MGC12802

**Regulatory Status:** RUO

---

#### Product Details

**Clone:** 019AM2b

**Application:** FC

**Reactivity:** Human

**Format:** Purified

**Isotype:** Mouse IgG2b

**Antibody Type:** Monoclonal

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

**Protein Concentration:** 0.5 mg/mL

**Storage and Handling:** The antibody solution should be stored between 2°C and 8°C

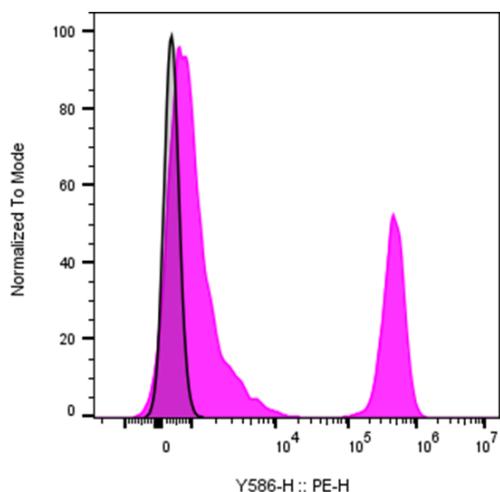
---

#### Background Information

CD19 is expressed in all B lineage cells. CD19 is a 95 kd Type I transmembrane glycoprotein in the immunoglobulin superfamily (IgSF) with two extracellular C2-set Ig-like domains and a relatively large. CD19 plays two major roles in human B cells: on the one hand, it acts as an adaptor protein to recruit cytoplasmic signaling proteins to the membrane; on the other, it works within the CD19/CD21 complex to decrease the threshold for B cell receptor signaling pathways. Due to its presence on all B cells, it is a biomarker for B lymphocyte development, lymphoma diagnosis and can be utilized as a target for leukemia immunotherapies.

---

#### Product Data



Human peripheral blood lymphocytes was stained with Purified Anti-Human CD19 clone 019AM2b (color-filled histogram) or an isotype control (gray histogram), followed by PE anti-Mouse IgG.