

Technical Data Sheet

Anti-Human CD19

Catalog Number: 101101, 101102
Size: 100 ug, 500 ug
Target Name: CD19, B4, CVID3, MGC12802
Regulatory Status: RUO

Product Details

Clone: HIB19
Application: FC
Reactivity: Human
Format: Purified
Isotype: Mouse IgG1
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.