# Anti-CD19 IgG Antibody

Catalog: 100981

Lot: 210224-1

## Product Information

**Description:** This purified recombinant monoclonal antibody is a human Anti-CD19 IgG which recognizes CD19 antigen. The variable regions for this antibody are based on an FDA-approved drug. This antibody has been tested for specific binding affinity to purified human CD19 protein (BPS Bioscience, #101015) in a colorimetric ELISA binding assay.

**Concentration:** 1.53 mg/ml
**Species:** Human
**Formulated In:** 8 mM phosphate pH 7.4, 110 mM NaCl, 2.2 mM KCl, 20% glycerol
**Expression System:** Heavy chain (HC) and Light chain (LC) co-expressed in HEK293 cells
**Purification:** Protein A affinity purification from HEK293 cells.
**Format:** Aqueous buffer solution
**Stability:** At least 12 months at -80°C. Avoid freeze/thaw cycles.
**Storage:** -80°C
**MW:** Anti-CD19 HC: ~49.9 kDa; Anti-CD19 LC: ~23.9 kDa
**Purity:** ≥90%

**Assay Conditions:** *Experimental design and assay protocol for measuring anti CD19 specific binding to CD19 antigen in ELISA assay:*

Purified human his-tagged CD19 was bound to clear 96-well nickel plate overnight in 4°C (1ug/mL). Upon washing and blocking wells for 1 hour at room temp, serial dilutions of anti-CD19 (200 nM to 0nM in 3-fold dilutions) were incubated in each well for 1 hr at room temp (slow shaking). Next, wells were washed and incubated with anti-human IgG-HRP for 1 hour at room temp (slow shaking) then washed again. For detection, the wells were incubated with Colorimetric HRP Substrate (BPS Bioscience #79651) for 1-10 minutes until a blue color developed in the positive control. The reaction was then quenched with equal volume of 1N HCL and absorbance read at 450 nm.

**Applications:** The anti-CD19 IgG format antibody can be used for labeling cells expressing CD19 for flow cytometry and immunofluorescence microcopy.

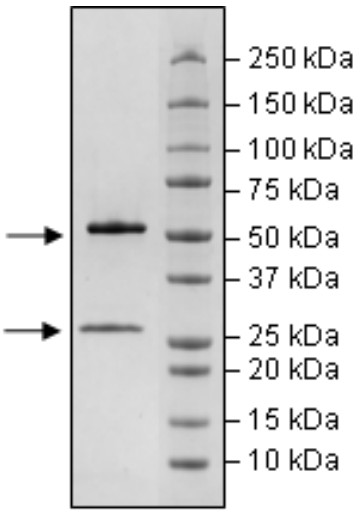
# Anti-CD19 IgG Antibody

Catalog: 100981

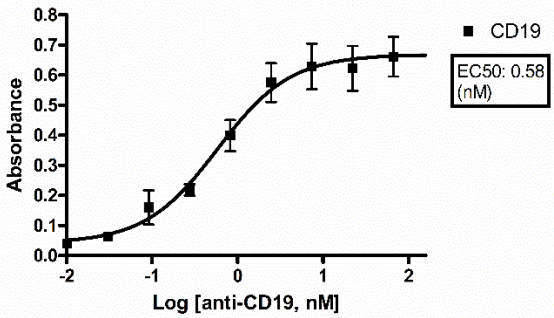
Lot: 210224-1

## Quality Control Data

4-20% SDS-Page Coomassie Staining




Binding affinity of Anti-CD19 IgG to target protein in ELISA assay




Purified CD19-His-Tag (1 µg/ml) was bound to a clear, 96-well, nickel-coated plate. Anti-CD19 (0 - 200 nM) was added and following incubation, the binding affinity was determined using a colorimetric detection assay.