

## Technical Data Sheet

### iF488 Anti-Human CD21

**Catalog Number:** 108907, 108908

**Size:** 25 tests, 100 tests

**Target Name:** CD21, Complement C3d receptor (C3dR), complement receptor 2 (CR2), Epstein-Barr virus receptor

**Regulatory Status:** RUO

#### Product Details

---

**Clone:** THB5

**Application:** FC

**Reactivity:** Human

**Format:** iF488

**Isotype:** Mouse IgG2a

**Antibody Type:** Monoclonal

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

**Protein Concentration:** Supplied at a lot-specific concentration.

**Storage and Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

**Recommended Usage:** For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.

**Excitation Laser:** Blue Laser (488 nm)

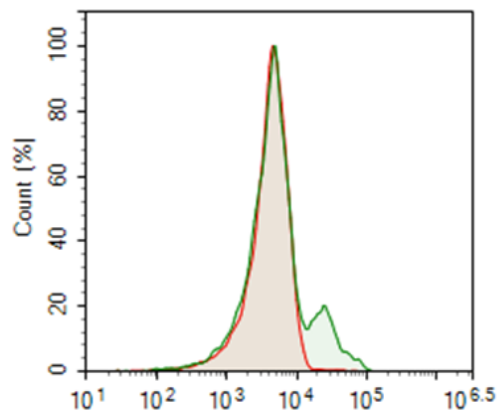
#### Background Information

---

Complement receptor type 2 (CR2), also known as complement C3d receptor, Epstein–Barr virus receptor, and CD21 (cluster of differentiation 21), is a protein that in humans is encoded by the CR2 gene. CR2 is involved in the complement system. It binds to iC3b (inactive derivative of C3b), C3dg, or C3d.[5] B cells express CR2 on their surfaces, allowing the complement system to play a role in B-cell activation and maturation.

#### Product Data

---



Human peripheral blood lymphocytes stained with iF488 anti-human CD21 clone THB5 (green histogram,) or an isotype control (red histogram)