

## Technical Data Sheet

### FITC Anti-Human CD21

**Catalog Number:** 108909, 108910

**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

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**Clone:** THB5

**Application:** FC

**Reactivity:** Human

**Format:** FITC

**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)

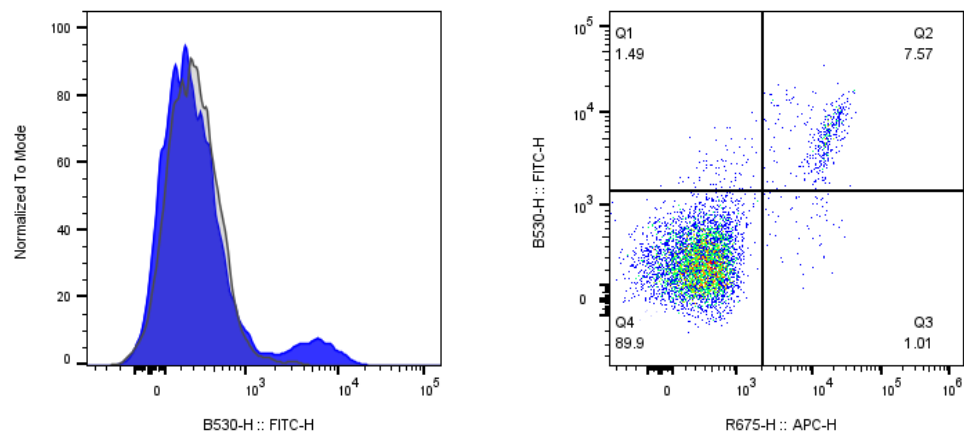
#### Background Information

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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

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Human peripheral blood lymphocytes stained with anti-human CD19 iF647 (APC) and FITC anti-human CD21 clone THB5 (blue histogram, right panel) or an isotype control (gray histogram)