

## Technical Data Sheet

### iF647 Anti-Human CD196

**Catalog Number:** 111103, 111104

**Size:** 25 tests, 100 tests

**Target Name:** CD196, CCR6, DRY-6, STRL22,CKR-L3

**Regulatory Status:** RUO

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#### Product Details

**Clone:** 196AM1

**Application:** FC

**Reactivity:** Human

**Format:** iF647

**Isotype:** Mouse IgG1

**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&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 uL of this reagent per 0.5-1.0 million cells in a 100  $\mu$ L volume. Optimal reagent performance should be determined by titration for each specific application.

**Excitation Laser:** Red Laser (633 nm)

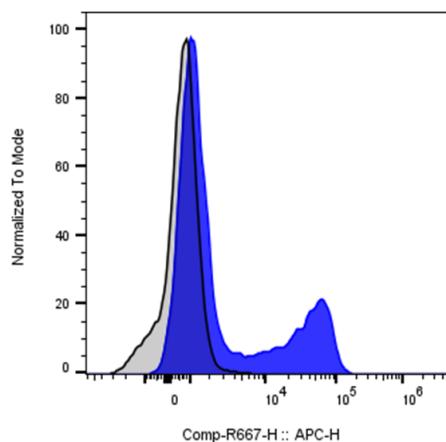
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#### Background Information

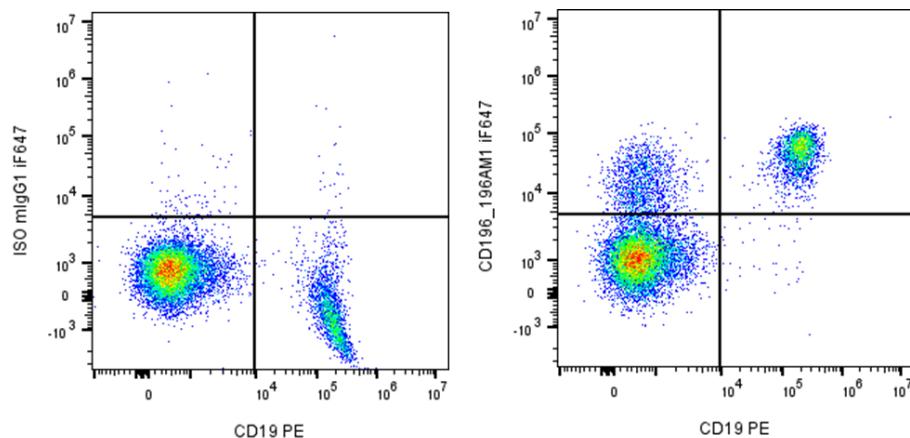
CCR6 is a seven-transmembrane chemokine receptor expressed on immature dendritic cells, B cells, and memory T cells. Its primary ligand, CCL20 (MIP-3?), regulates immune cell migration, B cell differentiation, and Th17 recruitment and is implicated in inflammatory diseases such as rheumatoid arthritis and inflammatory bowel disease.

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#### Product Data



Human peripheral blood lymphocytes was stained with iF647 Anti-Human CD196 clone 196AM1 (color-filled histogram) or an isotype control (gray histogram).



Human peripheral blood lymphocytes was co-stained with PE anti-human CD19 and either iF647 Anti-Human CD196 clone 196AM1 (right panel) or an isotype control (left panel).