

## Technical Data Sheet

### FITC Anti-Human CD32

**Catalog Number:** 109807, 109808  
**Size:** 25 tests, 100 tests  
**Target Name:** CD32, Fc $\gamma$ RII, FCR11  
**Regulatory Status:** RUO

#### Product Details

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**Clone:** IV.3  
**Application:** FC  
**Reactivity:** Human  
**Format:** FITC  
**Isotype:** Mouse IgG2b  
**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  $\mu$ L 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:** Blue Laser (488 nm)

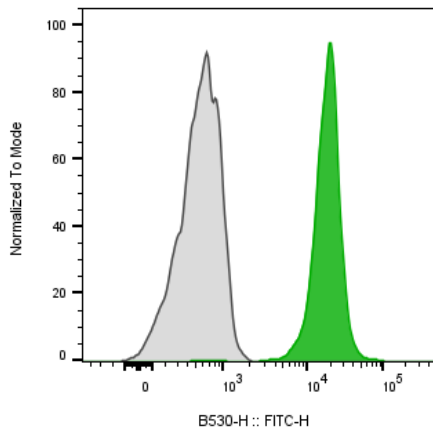
#### Background Information

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CD32 is a ~40-kDa polymorphic transmembrane glycoprotein belonging to the immunoglobulin superfamily. Also known as Fc $\gamma$ R11 or FCR11, it is expressed on a wide variety of immune and blood cells including B cells, monocytes/macrophages, granulocytes, platelets, and it has also been detected on natural killer (NK) cells. There are multiple isoforms of CD32 (at least six produced by alternative mRNA splicing). In humans, the major functional subtypes are CD32A and CD32C (activating) and CD32B (inhibitory).

#### Product Data

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Human peripheral blood monocytes stained either with FITC Anti-Human CD32 clone IV.3 (color-filled histogram) or an isotype control (gray histogram).