

Alexa Fluor® 488 anti-human IgG Fc

Catalog # / Size: 2653525 / 25 tests
2653530 / 100 tests

Clone: M1310G05

Isotype: Rat IgG2a, κ

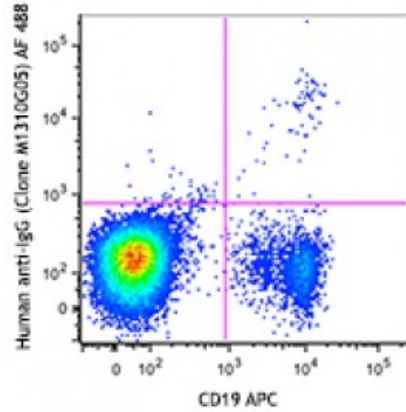
Immunogen: Human Siglec-E-IgG Fc fusion protein.

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions.

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

Concentration: Lot-specific

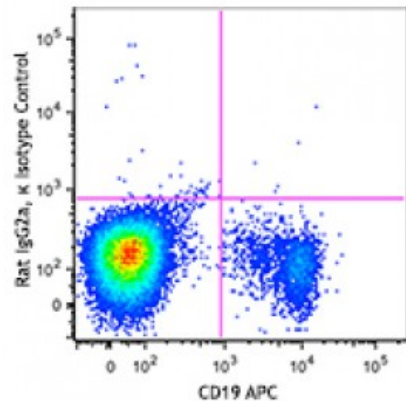


Human peripheral blood lymphocytes were stained with CD19 APC and IgG (clone M1310G05) Alexa Fluor® 488 (top) or rat IgG2a, κ Alexa Fluor® 488 isotype control (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

Application Notes: Clone M1310G05 recognizes IgG in the membrane of memory B cells, has a stronger affinity for IgG1 and IgG3 than for IgG2 and IgG4, and does not cross react with IgD, IgE, or IgM.

Description: IgG Fc is a homodimer that is composed of the constant region of the two heavy chains that form the IgG molecule. The Fc fragment mediates opsonization, antibody dependent cellular cytotoxicity (ADCC), and complement activation through binding to Fc receptors such as CD16, CD32, CD64, and the complement factor C1.

Antigen References: 1. Paul, WE. (2003). *Fundamental Immunology*. Philadelphia, PA: Lippincott, Williams, & Wilkins.