SONY

Product Data Sheet

Alexa Fluor® 700 anti-mouse CD32 (Fcgr2)

Catalog # / Size: 1382075 / 25 µg
1382080 / 100 µg

Clone: S17012B

Isotype: Rat IgG2b, κ

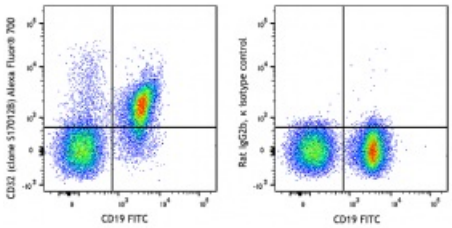
Immunogen: Mouse CD32 transfected cells

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Concentration: 0.5 mg/mL



C57BL/6 mouse splenocytes were stained with anti-mouse CD19 FITC and anti-mouse CD32 Alexa Fluor® 700 (clone S17012B) (left) or rat IgG2b, κ isotype Alexa Fluor® 700 control (right).

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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

Description: CD32 (Fcgr2) is a 40 kD transmembrane glycoprotein, member of the immunoglobulin superfamily. The extracellular region of CD32 consists of two Ig C-type domains that binds the Fc region from monomeric IgG with low affinity, but binds immune complexes efficiently. CD32 can mediate phagocytosis of immune complexes and modulate cell activation. CD32 is expressed by Macrophages, neutrophils, mast cells and B cells.

Antigen References:

1. Negishi-Koga T, *et al*. 2015. *Nat Commun*. 6:6637
2. Yamada DH, *et al*. 2015. *Immunity*. 42:379
3. Clatworthy MR, *et al*. 2014. *Nat Med*. 20:1458
4. Li F and Ravetch JV. 2011. *Science*. 333:1030
5. Xiang Z, *et al*. 2007. *Nat Immunol*. 8:419