

APC/Cyanine7 anti-human CD32

Catalog # / Size: 2116145 / 25 tests

Clone: FUN-2

Isotype: Mouse IgG2b, κ

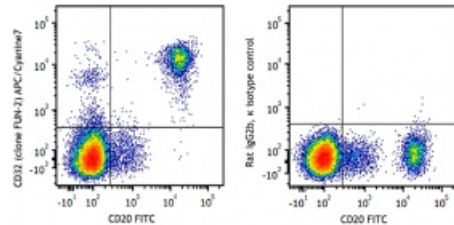
Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.

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

Workshop Number: VI B051

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with anti-human CD20 FITC and anti-human CD32 APC/Cyanine7 (clone FUN-2) (left) or mouse IgG2b, κ APC/Cyanine7 isotype 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 5 μL per million cells in 100 μL staining volume or 5 μL per 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining³ of acetone-fixed frozen tissue sections.

Clone FUN-2 recognizes both CD32A and CD32B.

- Application References:**
1. Kishimoto T, *et al.* 1997. Leucocyte Typing VI Garland Press. London.
 2. Lerino F, *et al.* 1993. *J. Immunol.* 150:1794.
 3. Personal communication.
 4. van Tits L, *et al.* 2005. *Arterioscler Thromb Vasc Biol.* 25:717. [PubMed](#)
 5. Smeltz RB. 2007. *J. Immunol.* 178:4786.
 6. Satta N, *et al.* 2011. *Blood.* 117:5223. [PubMed](#).

Description: CD32 is a 40 kD polymorphic transmembrane glycoprotein also known as FcγRII and FCR11. It is an immunoglobulin superfamily member expressed on monocytes/macrophages, granulocytes, platelets and B cells. There are at least 6 isoforms of CD32 resulting from alternative mRNA splicing. CD32 mediates phagocytosis and oxidative burst in granulocytes, as well as platelet aggregation and immunomodulation. The extracellular domain of CD32 binds to polymeric and aggregated IgG and immune complexes, while the intracellular domain has been reported to associate with SHP-1 (B1 isoform).

- Antigen**
- References:**
1. Stuart S, et al. 1989. *EMBO J.* 8:3657.
 2. Huang Y, et al. 1999. *Scand. J. Immunol.* 49:177.
 3. Hisaka H, et al. 1999. *Pathobiology* 67:92.