

# Anti-Human CD32-153Eu

Catalog: 3153018B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human

Clone: FUN-2

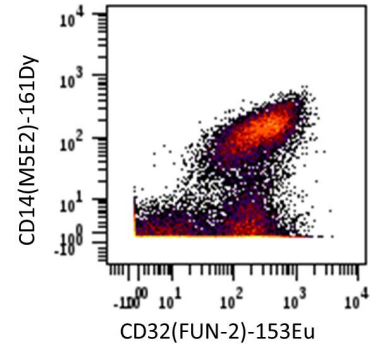
Isotype: IgG2b

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 153Eu-anti-CD32(FUN-2) and 161Dy-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

## Description

The FUN-2 monoclonal antibody reacts with human CD32 (also known as Fc gammaRII), a 40 kD polymorphic transmembrane glycoprotein. CD32 is expressed on B cells, monocytes, granulocytes, macrophages, platelets and dimly on natural killer cells. CD32 mediates oxidative burst and phagocytosis in granulocytes as well as platelet aggregation. CD32 enables interaction between Fc gammaRII-expressing cells and IgG-containing immune complexes. The CD32 receptor is thought to play a role in inflammation and autoimmune disease.

## References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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