

Anti-Human CD89-174Yb

Catalog: 3174012B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Human

Clone: A59

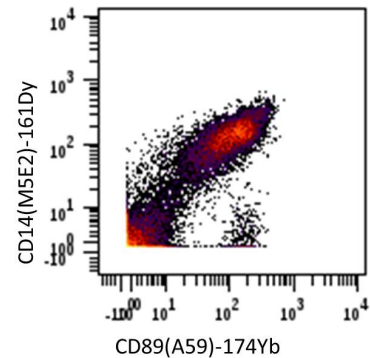
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] 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 10⁶ 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 174Yb-anti-CD89(A59) and 161DY-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

Description

The monoclonal antibody A59 reacts with CD89, a 55-75 kD glycosylated protein. CD89 is also known as Fc receptor for IgA (FcαR). It is expressed mainly on granulocytes, monocytes and macrophages in blood and on promyelocytes in bone marrow. CD89 is not expressed on T cells. CD89 can interact with IgA aggregates and has been reported to play a role in IgA mediated immune responses.

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.

For technical support visit fluidigm.com/support

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