

Anti-Human CD23-160Gd

Catalog: 3160020B

Package Size: 100 tests

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

Reactivity: Human

Clone: EBVCS-5

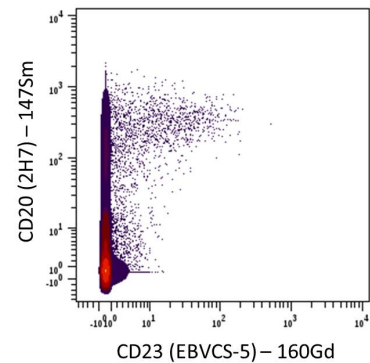
Isotype: Mouse IgG1

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 147Sm-anti-CD20 (2H7) and 160Gd-anti-CD23 (EBVCS-5). T and B cells are displayed in the analysis.

Description

CD23 is a 45 kDa type II transmembrane glycoprotein, also known as Leu-20 and FcεRII. CD23 is expressed on monocytes, mantle zone B cells, mature B cells, follicular dendritic cells and at low levels on T, NK, langerhans cells and platelets. B cell activation results in the upregulation of CD23 expression. CD23 triggering results in release of pro-inflammatory cytokines in monocytes including TNF-α, IL-1, IL-6, and GM-CSF. CD23 can be proteolytically cleaved to generate soluble CD23, which has been reported to be biologically active.

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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