

Anti-Human CD23-164Dy

Catalog: 3164018B

Package Size: 100 tests

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

Reactivity: Human

Clone: EBVCS-5

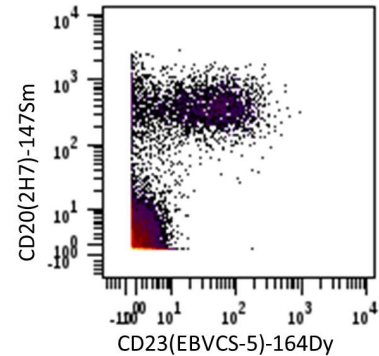
Isotype: IgG1

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 164Dy-anti-CD23(EBVCS-5) and 147Sm-anti-CD20(2H7). Total viable 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

EMAIL **United States and other countries not in Europe or Asia** techsupport@fluidigm.com **Europe** techsupporteurope@fluidigm.com | **Asia** techsupportasia@fluidigm.com
 PHONE **United States (toll-free)** +1 866 358 4354 | **Europe** +33 1 60 92 42 40 | **Japan** +81 3 3662 2150 | **China** +86 21 3255 8368 | **All other countries** +1 650 266 6100

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