

Anti-Mouse CD19-149Sm

Catalog: 3149002B

Package Size: 100 tests

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

Cross reactivity: Mouse

Clone: 6D5

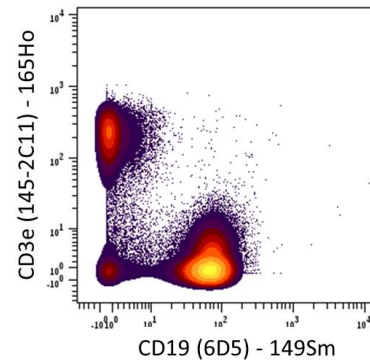
Isotype: Rat IgG2a

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 3×10^6 live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 165Ho-anti-CD3e (145-2C11) and 149Sm-anti-CD19 (6D5).

Description

CD19, also known as B4, is a type I transmembrane glycoprotein that is a member of the immunoglobulin superfamily. CD19 is expressed on B cells at the pro-B and later stages of development, but is lost on plasma cells. CD19 is also expressed on follicular dendritic cells. It primarily acts as a B cell co-receptor in conjunction with CD21 and CD81. Upon activation, the cytoplasmic tail of CD19 becomes phosphorylated, which leads to binding by Src-family kinases and recruitment of PI 3-kinase.

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 (2009): 6,813–22.

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

For technical support visit fluidigm.com/support.

North America +1 650 266 6100 | Toll-free: +1 866 358 4354 in the US | support.northamerica@fluidigm.com **Europe** +33 1 60 92 42 40 | support.europe@fluidigm.com
China (excluding Hong Kong) +86 21 3255 8368 | techsupportchina@fluidigm.com **Japan** +81 3 3662 2150 | techsupportjapan@fluidigm.com
All other Asian countries +1 650 266 6100 | techsupportasia@fluidigm.com **Central and South America** +1 650 266 6100 | techsupportlatam@fluidigm.com

For Research Use Only. Not for use in diagnostic procedures.

This product contains antibodies manufactured by and sold under license from BioLegend[®] and licensees thereof.

Information in this publication is subject to change without notice. **Safety data sheet information** www.fluidigm.com/sds **Patent and license information** www.fluidigm.com/legalnotices | Fluidigm, the Fluidigm logo, and CyTOF are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. © 2016 Fluidigm Corporation. All rights reserved. 09/2016