

Anti-Mouse CD54-163Dy

Catalog: 3163020B

Package Size: 100 tests

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

Reactivity: Mouse,

Clone: YN1/1.7.4

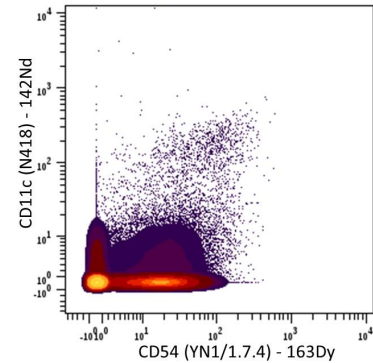
Isotype: IgG2b

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.



Mouse splenocytes stained with 142Nd-anti-CD11c (N418) and 163Dy-anti-CD54 (YN1/1.7.4).

Description

CD54, also known as ICAM-1 (intracellular adhesion molecule-1), is an 85-110 kDa type I transmembrane glycoprotein that belongs to the immunoglobulin supergene family, CD54 is a ligand for Mac-1 (CD11b/CD18) and LFA-1 (CD11a/CD18). CD54 is expressed on macrophages, lymphocytes, dendritic cells, monocytes, granulocytes, and thymic stromal cells. It is also present on non-immune cells such as hepatocytes, cardiomyocytes, and vascular smooth muscle cells. Additionally, it has been found that CD54 expression can be induced in vitro by proinflammatory cytokines, such as IFN-gamma, IL-1, CCL2, or TNF-alpha.

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 support.northamerica@fluidigm.com | Europe support.europe@fluidigm.com

Asia techsupportasia@fluidigm.com | Latin America techsupportlatam@fluidigm.com

All other countries techsupport@fluidigm.com

PHONE

United States (toll-free) +1 866 358 4354 | Europe +33 1 60 92 42 40

Japan +81 3 3662 2150 | China (excluding Hong Kong) +86 21 3255 8368

All other countries +1 650 266 6100

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

This product contains antibodies supplied by eBioscience.

Information in this publication is subject to change without notice. **Safety data sheet information** fluidigm.com/sds **Patent and license information** fluidigm.com/legalnotices | Fluidigm, the Fluidigm logo, Cell-ID, CyTOF, and Maxpar are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. All other trademarks are the sole property of their respective owners. © 2015 Fluidigm Corporation. All rights reserved. 06/2015