DVS Sciences

Product Information Sheet

Anti-Phospho-SLP-76[pY128]-156Gd

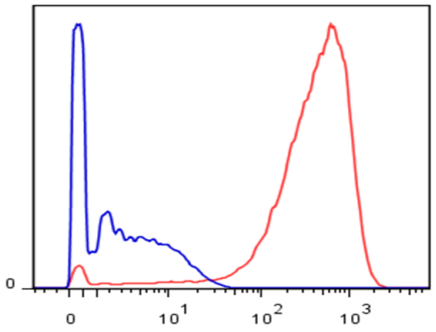
Catalog #: 3156003A
Package Size: 50 tests
Storage: Store product at 4°C. Do not freeze.
Cross Reactivity: Rat, Mouse, Human

Clone: J141-668.36.58
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 postive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human Jurkat T cells were incubated for 15 minutes in media alone (blue) or with pervanadate (red). Cells were then fixed, permeabilized, and stained with 156Gd-anti-pSLP-76 [pY128] (J141-668.36.58).

Description

SLP-76 , also known as SH2 domain-containing Leukocyte Protein of 76 kDa, is a tyrosine phosphoprotein that is involved in the T cell receptor (TCR)-mediated intracellular signaling pathway. It may be involved in the signaling pathways of other peripheral blood leukocytes; thymic/splenic cells; and in human T, B, and monocytic cell lines. Tyrosine 128 (Y128) phosphorylation is known to bring Vav1 and the Nck adapter protein into an activation complex downstreamof the TCR. The J141-688.36.58 monoclonal antibody recognizes the phosphorylated Y128 of activated SLP-76.

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.

Bendall, S.C, et al. Single-Cell Mass Cytometry of Differential Immune and Drug Responses Across a Human Hematopoietic Continuum. *Science* 6 May 2011: 687-696.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. J Immunol Methods 361 (1-2):1-20, 2010.

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This product is intended for Research Use Only. Ths product is not intended for therapeutic or diagnostic purposes in humans or animals.