

Anti-Human Syk-149Sm

Catalog: 3149020B

Package size: 100 tests

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

Clone: 4D10.2

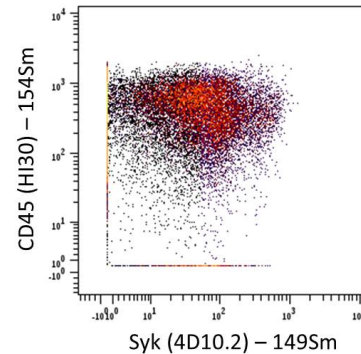
Isotype: Mouse IgG2a

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 × 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



RBC-lysed human whole blood cells were fixed, permeabilized, and stained with 154Sm-anti-CD45 (HI30) and 149Sm-anti-Syk (4D10.2). Total viable cells are displayed in the analysis.

Description

Syk is a cytoplasmic 72 kDa nonreceptor tyrosine kinase that plays an important role in intracellular signal transduction in hematopoietic cells. Syk is widely expressed in hematopoietic cells, including B lymphocytes, immature (CD4, CD8 double-negative and CD8 double-positive) thymocytes, myeloid cells, epithelial cell lines and normal breast tissue. The Syk kinase couples the activated immunoreceptors to downstream signaling events that mediate cellular proliferation, differentiation and phagocytosis.

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." *Journal of Immunological Methods* 361 (2010): 1–20.

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