

Anti-Human CD4-174Yb

Catalog #: 3174004B

Package Size: 100 tests

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

Cross Reactivity: Human

Clone: SK3

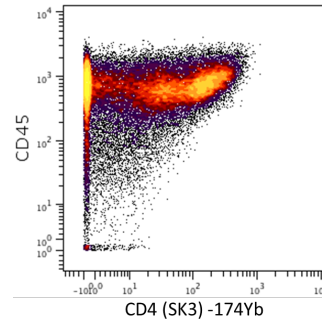
Isotype: Mouse IgG1

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 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 154Sm-anti-CD45 (HI30) and 174Yb-anti-CD4 (SK3).

Description

CD4, also known as T4, is a transmembrane glycoprotein expressed on the 'helper' subset of T cells (thymocytes), immature T cells in the thymus, as well as on some monocytes/macrophages. CD4 helps recognizes antigens associated with MHC class II molecules via initiation of signal transduction and controlling cell-cell interaction.

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.

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