

Anti-Human CD2-151Eu

Catalog #: 3151003B

Package Size: 100 tests

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

Cross Reactivity: Human

Clone: TS1/8

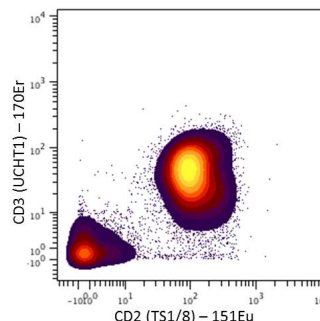
Isotype: Mouse IgG1

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 151Eu anti-CD2 (TS1/8) and 170Er anti-CD3 (UCHT1). Total viable cells are displayed in the analysis.

Description

CD2, also known as LFA-2, T11 and sheep red blood cell receptor (SRBC-R), is a type 1 transmembrane glycoprotein. The principle ligand for human CD2 is leukocyte function-associated antigen 3 (LFA-3, also known as CD58). It has been reported to bind CD48, CD59 and CD15. CD2 plays a role in intercellular adhesion, signal transduction and alternative T cell activation. It is expressed on thymocytes, T lymphocytes, NK cells and thymic B cell subsets.

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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