

Anti-Human DR3 (TRAMP)-161Dy

Catalog: 3161003B

Clone: JD3

Package Size: 100 tests

Isotype: IgG1

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

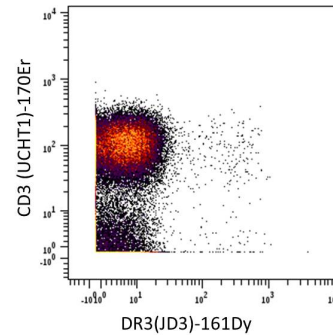
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human

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 were fixed, permeabilized, and stained with 161Dy-anti-DR3 (JD3) and 170Er-anti-CD3 (UCHT1). Lymphocytes are displayed in the analysis.

Description

Death receptor 3 (DR3), also known as Wsl-1, Apo3, LARD, TRAMP, and TR3, is a member of the tumor necrosis factor (TNF) receptor superfamily and is a major regulator of inflammation and autoimmune diseases. DR3 contains a homologous intracellular region called the death domain (DD) that can bind adaptor proteins, which also contain a DD, initiating cellular responses such as caspase activation and apoptotic cell death. However, in other circumstances DR3 can initiate induction of transcription that can prevent cell death from occurring. DR3 is expressed at low levels by monocytes and granulocytes.

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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