

Anti-Human CD132-148Nd

Catalog: 3148014B

Package size: 100 tests

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

Clone: TUGh4

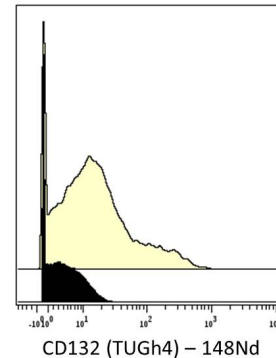
Isotype: Rat IgG2b

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.



Human PBMCs were either unstimulated (bottom) or stimulated for 3 days with recombinant human IL-2, anti-human CD3 and anti-human CD28 (top) and then stained with 148Nd-anti-CD132 (TUGh4). Viable cells are displayed in the analysis.

Description

CD132 is a 65–70 kDa type 1 transmembrane glycoprotein of the Ig superfamily, which is encoded by the IL2RG (interleukin 2 receptor, gamma) gene. CD132 is shared by the IL-2, IL-4, IL-7, IL-9, IL-15 and IL-21 receptor complexes and is broadly expressed on T- and B-lymphocytes, NK cells, monocytes and granulocytes. Ligand binding is initiated through JAK/STAT signaling and induces tyrosine phosphorylation.

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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