

Anti-Human HLA-DR, DP-150Nd

Catalog: 3150028B

Package size: 100 tests

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

Cross-reactivity: Cynomolgus Monkey, Human, Bovine, Canine, Feline

Clone: Tü36

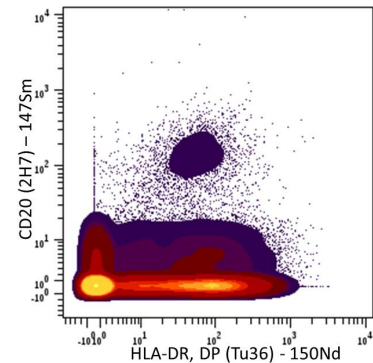
Isotype: Mouse IgG2b

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 stained with 147Sm-anti-CD20 (2H7) and 150Nd-anti-HLA-DR, DP (Tu36). Total viable cells are displayed in the analysis.

Description

HLA-DR and HLA-DP are heterodimeric cell surface glycoproteins comprised of an α (heavy) chain and a β (light) chain. They are MHC class II cell surface receptors expressed on B cells, activated T cells, monocytes/macrophages, dendritic cells and other non-professional APCs. HLA-DR plays a major role in mediating cellular interactions during antigen presentation to CD4⁺ T lineage cells.

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.

For technical support visit fluidigm.com/support.

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