

Anti-Human CD80 (B7-1)-161Dy

Catalog: 3161023B

Clone: 2D10.4

Package Size: 100 tests

Isotype: Mouse IgG1

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

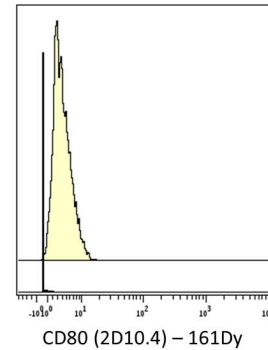
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Rhesus

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 Daudi cells (top) and human Jurkat cells (bottom) stained with 161Dy-anti-CD80 (2D10.4). Total viable cells are displayed in analysis.

Description

CD80 (B7.1) is a 60 kDa member of the B7 family of proteins. CD80 is expressed by activated B and T lymphocytes, macrophages and dendritic cells. While CD80 can bind to the immune-stimulatory CD28, it binds with higher affinity to the immune-inhibitory CTLA-4. The B7 ligands CD80 and CD86 and their receptors CD28 and CTLA-4 act create a costimulatory-coinhibitory system that acts to regulate immune responses. Mice deficient in CD80 and CD86 have profound defects in both humoral and cellular immunity.

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.

For technical support visit fluidigm.com/support

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