

Anti-Human CD28-160Gd

Catalog #: 3160003B

Package Size: 100 tests

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

Cross Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Pigtailed Macaque, Sooty Mangabey, Squirrel Monkey, Capuchin Monkey

Clone: CD28.2

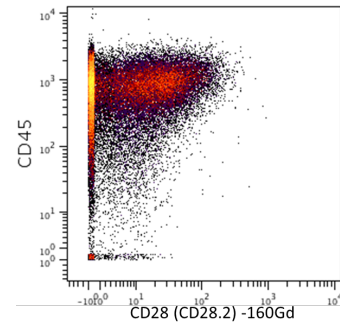
Isotype: Mouse IgG1

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 154Sm-anti-CD45 (HI30) and 160Gd-anti-CD28 (CD28.2).

Description

CD28, also known as T44 or Tp44, is a 44kD disulfide-linked homodimeric type I glycoprotein. CD28 binds to CD80 and CD86 and can be expressed on T-cells, NK cell subsets and plasma cells. Expression of CD28 on T-cells provides co-stimulatory signals, which is required for T-cell activation for the production of various interleukins (IL-2 and IL-6 in particular). Antibody clone CD28.2 recognizes a cell surface epitope of CD28.

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.

Newell, E.W., et al. Cytometry by Time-of-Flight Shows Combinatorial Cytokine Expression and Virus-Specific Cell Niches within a Continuum of CD8⁺ T Cell Phenotypes. *Immunity* 36 January 2012: 142-152.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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