

Anti-Human CD86-156Gd

Catalog #: 3156008B

Package Size: 100 tests

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

Cross Reactivity: Human

Clone: IT2.2

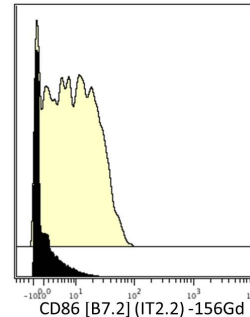
Isotype: Mouse IgG2b

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 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 156Gd-anti-CD86 [B7.2] (IT2.2). Monocytes (top) and T cells (bottom) are displayed in the analysis.

Description

CD86 (B7.2) is an 80 kDa member of the B7 family of proteins which are all transmembrane GPI-linked proteins characterized by extracellular IgV and IgC domains related to the variable and constant Ig domains. All B7 ligands are expressed by antigen-presenting cells (APC) including dendritic cells, macrophages and B cells where they play a critical role in regulation of the immune response. While CD86 can bind to the immune-inhibitory receptor CTLA-4, it binds with higher affinity to the immune-stimulatory CD28. CD86 expression on antigen-presenting cells is increased upon activation.

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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