

Anti-Mouse CD28-151Eu

Catalog #: 3151005B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: 37.51

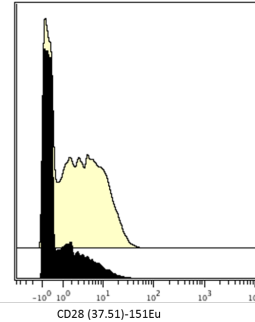
Isotype: Hamster IgG

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.



BALB/c mouse splenocytes stained with 151Eu-anti-CD28 (37.51). T lymphocytes (top) and B Lymphocytes (bottom) are displayed in the analysis.

Description

CD28 is a 45kD 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 37.51 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.

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

Contact Information:

Sales: sales@DVSsciences.com | Support: support@DVSsciences.com
www.DVSsciences.com | For assistance by phone: 855-DVS-CYTO

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