

Technical Data Sheet

iF647 Anti-mouse CD28

Catalog Number: 203002, 203003

Size: 25 tests, 100 tests

Target Name: CD28, Tp44, T44

Regulatory Status: RUO

Product Details

Clone: 37.51

Application: FC

Reactivity: Mouse

Format: iF647

Isotype: Syrian Hamster IgG

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA

Protein Concentration: Supplied at a lot-specific concentration.

Storage&Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

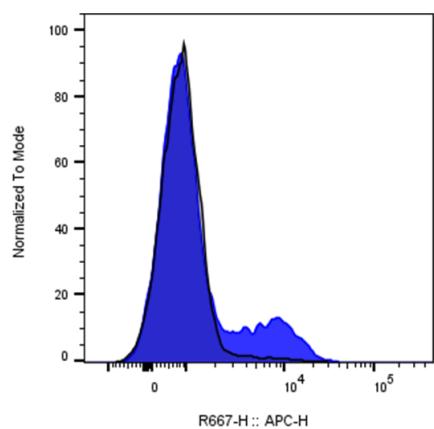
Recommended Usage: For flow cytometric staining, it is recommended to use 5 uL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Red Laser (633 nm)

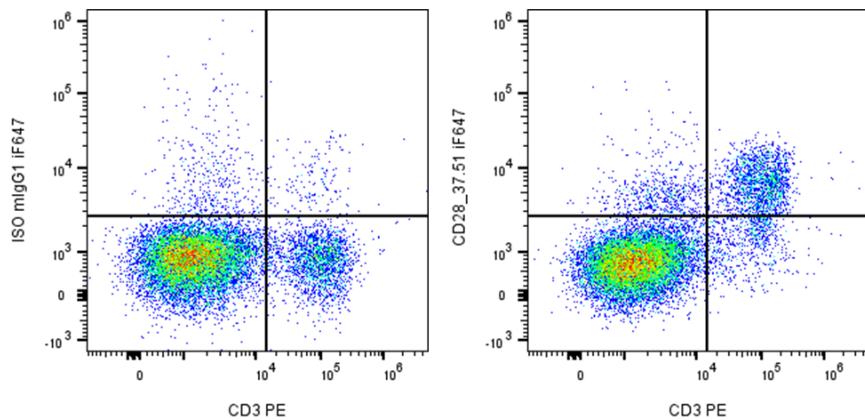
Background Information

CD28 (Cluster of Differentiation 28) is one of the proteins expressed on T cells that provide co-stimulatory signals required for T cell activation and survival. T cell stimulation through CD28 in addition to the T-cell receptor (TCR) can provide a potent signal for the production of various interleukins (IL-6 in particular). CD28 is the only B7 receptor constitutively expressed on naive T cells. Association of the TCR of a naive T cell with MHC antigen complex without CD28:B7 interaction results in a T cell that is anergic.

Product Data



Mouse splenocytes were stained with iF647 Anti-Mouse CD28 clone 37.51 (color-filled histogram) or an isotype control (gray histogram) .



Mouse splenocytes were co-stained with PE anti-mouse CD3 and either iF647 Anti-Mouse CD28 clone 37.51 (right panel) or an isotype control (left panel) .