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InnoCyto Inc.

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iF647 Anti-mouse CD28 Antibody

Catalog Number:	203002, 203003
Size:	25 μg, 100 μg
Target Name:	CD28, Tp44, T44
Regulatory Status:	RUO

PRODUCT DETAILS

Clone:	37.51
Application:	Flow Cytometry
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 less than 0.5 µg 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. iF647 has an excitation max at 656 nm and an emission max at 670 nm.
Excitation Laser:	Red Laser (633 nm)
RRID:	AB_3739111

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.