

Anti-Hu CD28 Purified Monoclonal Antibody

Catalog Number: M00065

About CD28

CD28 is the critical T cell costimulatory receptor which provides to the cell the important second activation signal by binding CD80 and CD86 that are expressed by antigen presenting cells. Besides its costimulation role CD28 functions in preventing T cells from anergic hyporesponsive state or from undergoing premature apoptotic cell death. CD28 is also expressed on human fetal NK cells and some NK cell lines, whereas on murine NK cells the CD28 expression is much broader.

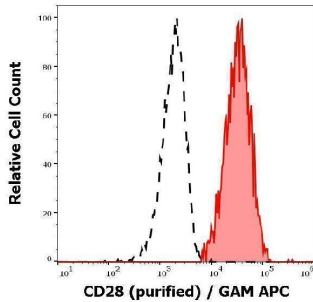
Overview

Product Name	Anti-Hu CD28 Purified Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD28 Purified Monoclonal Antibody (Catalog# M00065). Tested in Flow Cytometry, IP, WB, IHC-F, ICC application(s). This antibody reacts with Primate, Human.
Application	Flow Cytometry, IP, IHC-F, ICC, WB
Clonality	Monoclonal CD28.2
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P10747

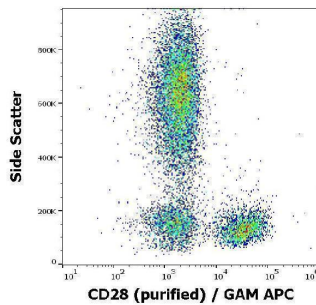
Technical Details

Immunogen	DC28.1.3.3 murine T cell hybridoma transfected with human CD28 cDNA. The mouse monoclonal antibody CD28.2 recognizes an extracellular epitope of CD28, a disulfide-linked homodimeric type I glycoprotein (monomer of Mw 44 kDa) which is a critical costimulatory receptor of T cells.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 1-12 µg/ml

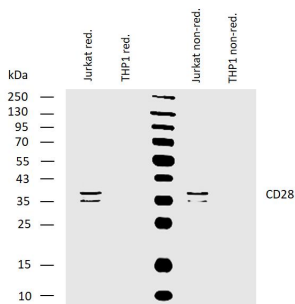
Anti-Hu CD28 Purified Monoclonal Antibody (M00065) Images



Separation of human CD28 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD28 (CD28.2) purified antibody (concentration in sample 1,6 µg/ml) GAM APC.



Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD28 (CD28.2) purified antibody (concentration in sample 1,6 µg/ml) GAM APC.



Western blotting analysis of human CD28 using mouse monoclonal antibody CD28.2 on lysates of Jurkat cells and THP1 cells (negative control) under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. CD28 was detected around 35-40 kDa.

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