

## 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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the

optimal dilution ratio for your samples.  
Some PubMed article(s) citing the expression level of this target are as follows:  
Boster Bio's internal QC testing used:  
Flow cytometry: 1-12 µg/ml

## Anti-Hu CD28 Purified Monoclonal Antibody (M00065) Images

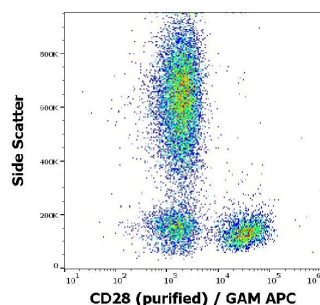


Figure 1. Flow Cytometry validation of CD28 using Anti-Hu CD28 Purified Monoclonal Antibody (M00065).

Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD28 (CD28.2) purified antibody (concentration in sample 1

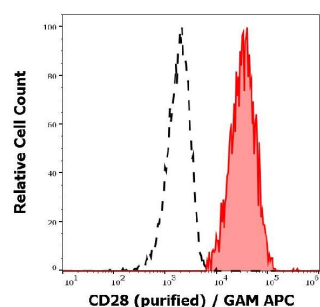


Figure 2. Flow Cytometry validation of CD28 using Anti-Hu CD28 Purified Monoclonal Antibody (M00065).

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

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