

# CD28 Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone 204-12 ] Catalog # AH12679

## **Product Information**

Application	IF, FC
Primary Accession	<u>P10747</u>
Other Accession	<u>940, 591629</u>
Reactivity	Human, Mouse, Pig, Bovine, Sheep
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a, kappa
Clone Names	204-12
Calculated MW	25066

### **Additional Information**

Gene ID	940
Other Names	T-cell-specific surface glycoprotein CD28, TP44, CD28, CD28
Application Note	IF~~1:50~200 FC~~1:10~50
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	CD28 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

#### **Protein Information**

Name CD28	
maintenance of immune homeostasis Functions not only as an amplifier of that control intracellular biochemical program of T-cells (PubMed: <u>24665965</u> cognate ligands CD80 or CD86 increas	5). Stimulation upon engagement of its ses proliferation and expression of oduction in both CD4(+) and CD8(+) T-cell 5397202). Mechanistically, ligation e C-theta/PRKCQ and GRB2 leading to Akt-dependent and -independent ed:24665965, PubMed:7568038). In d CD40L costimulation, enhances the

Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in T-cells and plasma cells, but not in less mature B-cells

## Background

Recognizes a glycoprotein of 44-88kDa, which is identified as CD28. It is the critical T-cell co-stimulatory 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 co-stimulation 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.

## References

In Leucocyte typing Workshop VI. Sandilands, G. et al. Clinical and Experimental Immunology, 162(3), 516-27 (2010)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.