

## Product datasheet for **AM50221PU-S**

### CD28 Mouse Monoclonal Antibody [Clone ID: C28/75]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	C28/75
Applications:	FC, IF, IHC, IP
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Functional Studies:</b> Use Antibody without BSA and Azide. <b>Immunoprecipitation:</b> 0.5-1 µg/500ug protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 1mM EDTA Buffer, pH 8.5-9.5, for 10-20 min followed by cooling at RT for 20 minutes. <b>Positive Control:</b> Jurkat cells or human lymph nodes and tonsils.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human CD28 protein.
Specificity:	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. <b>Cellular Localization:</b> Cell surface.



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<b>Formulation:</b>	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A/G Chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	44 kDa (monomer); 88 kDa (dimer)
<b>Gene Name:</b>	CD28 molecule
<b>Database Link:</b>	<a href="#">Entrez Gene 940 Human P10747</a>
<b>Synonyms:</b>	TP44