

Product datasheet for **AM08037PU-N**

Cd28 Hamster Monoclonal Antibody [Clone ID: 37.51]

Product data:

Product Type:	Primary Antibodies
Clone Name:	37.51
Applications:	FC, FN, IP
Recommended Dilution:	Flow Cytometry (Ref.1,2). Immunoprecipitation (Ref.1). Functional Assay: In vitro costimulation of T cells and NK cells (Ref.1-3,7-9,11).
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	C57BL/6N mouse T cell lymphoma EL-4 cell line.
Specificity:	This antibody is specific to CD28 costimulatory receptor (Mr. 40 kDa)
Formulation:	Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD28 antigen
Database Link:	Entrez Gene 12487 Mouse P31041



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Background:

CD28 is a type I disulfide-linked homodimer that is constitutively expressed on most thymocytes, at low density on nearly all CD4⁺ and CD8⁺ peripheral T lymphocytes, and at very low levels on NK cells. Its expression is upregulated upon T-cell activation. (Ref.1-4)
CD28 is a ligand for CD80/B7-1 and CD86/B7-2 on B cells and other antigen presenting cells, and plays an important role in the interaction between T cells and B cells. CD28 is a co-stimulatory receptor involved in many, but not all, T-cell independent immune responses. (Ref.5-8)

Synonyms:

TP44