

## ARG22009 anti-CD28 antibody [37.51] (Biotin)

Package: 250 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Syrian Hamster Monoclonal antibody [37.51] recognizes CD28
Tested Reactivity	Ms
Tested Application	BL, Cell-Act , FACS
Specificity	Mouse CD28
Host	Hamster
Clonality	Monoclonal
Clone	37.51
Isotype	IgG2
Target Name	CD28
Species	Mouse
Immunogen	C57BL/6N Mouse T cell lymphoma EL-4 cell line
Conjugation	Biotin
Alternate Names	Tp44; TP44; T-cell-specific surface glycoprotein CD28; CD antigen CD28

### Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	Cell-Act	Assay-dependent
	FACS	< 2 µg/10 <sup>6</sup> cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

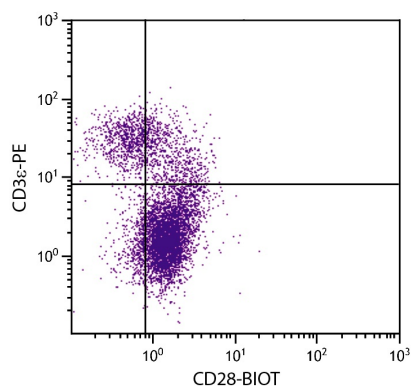
### Properties

Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 12487 Mouse</a> <a href="#">Swiss-port # P31041 Mouse</a>
Gene Symbol	CD28
Gene Full Name	CD28 antigen
Background	The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011]
Function	Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. [UniProt]
Research Area	Developmental Biology antibody; Immune System antibody; Cytotoxic T Cell Surface Study antibody
Calculated Mw	25 kDa
PTM	CD40LG induces tyrosine phosphorylation of isoform 3.

## Images



ARG22009 anti-CD28 antibody [37.51] (Biotin) FACS image

Flow Cytometry: BALB/c Mouse thymocytes stained with [ARG22009](#) anti-CD28 antibody [37.51] (Biotin) and [ARG20819](#) anti-CD3e antibody [C363.29B] (PE).