

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 ⁶ cells

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

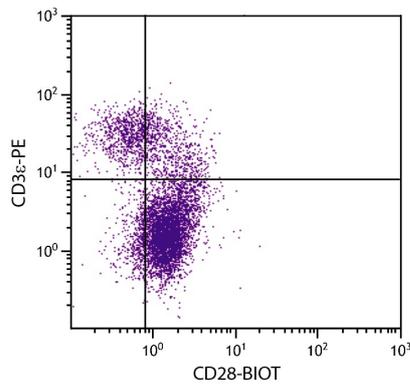
Properties

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	GeneID: 12487 Mouse Swiss-port # P31041 Mouse
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).