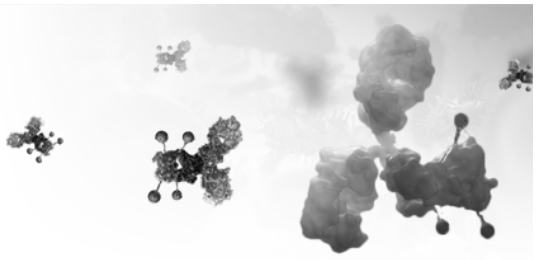

Anti-CD28 monoclonal antibody, clone 37.51.1 [FITC] (CABT-48078HM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Hamster anti Mouse CD28 antibody, clone 37.51.1 recognizes murine CD28, an 80kDa cell surface glycoprotein that is expressed by most thymocyte subsets and by peripheral T-cells. Studies show that CD28 expression on thymocytes and splenic T-cells can be upregulated upon activation. Murine CD28 acts as a co-stimulatory signal and may play an important role in regulating the immune response of T-cells. Hamster anti Mouse CD28 antibody, clone 37.51.1 has been reported to enhance cytokine production and T-cell proliferation in combination with TCR-mediated signals. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Specificity	CD28
Immunogen	Mouse T-Lymphoma EL-4 cells
Isotype	IgG
Source/Host	Hamster
Species Reactivity	Mouse
Clone	37.51.1
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 µg
Preservative	0.09% Sodium Azide

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Storage	in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd28 CD28 antigen [Mus musculus (house mouse)]
Official Symbol	CD28
Synonyms	CD28; CD28 antigen; T-cell-specific surface glycoprotein CD28;
Entrez Gene ID	12487
Protein Refseq	NP_031668
UniProt ID	P31041
Chromosome Location	1 C1-C3; 1 30.52 cM
Pathway	Adaptive Immune System; Allograft rejection; Autoimmune thyroid disease; CD28 co-stimulation; CD28 dependent PI3K/Akt signaling; CD28 dependent Vav1 pathway; Cell adhesion molecules (CAMs); Constitutive PI3K/AKT Signaling in Cancer;
Function	SH3/SH2 adaptor activity; protease binding; protein homodimerization activity;

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