

**MOUSE ANTI-HUMAN CD28
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	CBL517	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	0.2 mg/mL
CLONE NAME:	15E8	HOST/ISOTYPE:	Ms IgG ₁
BACKGROUND:	CD28+ CD8 cells are now known to be cytotoxic T cell precursors. The ligand for CD28 is CD80 (B7) which is found on activated B cells suggesting a role for CD28 in T and B cell interaction.		
SPECIFICITY:	Clone 15E8 reacts with the 44 kDa antigen found on a sub-population of T cells and activated B cells, but does not react with B cells, granulocytes or monocytes. The antibody will induce the proliferation of resting T lymphocytes.		
APPLICATIONS:	<u>Flow Cytometry</u> <u>Stimulation:</u> Will induce proliferation of resting T lymphocytes <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Human. Does not react with canine (dog). Reactivity with other species has not been confirmed.		
IMMUNOGEN:	Human T-lymphocytes		
PRESENTATION:	Immunoglobulin purified by ion exchange chromatography following ammonium sulphate precipitation. Liquid in 20 mM Tris, 150 mM sodium chloride, pH 8.0 containing 10 mg bovine serum albumin and 0.01% sodium azide.		
STORAGE/HANDLING:	Maintain at 2°-8°C for up to 12 months from date of receipt.		
REFERENCES:	Reedquist, K. and J. Bos (1998). Costimulation through CD28 suppresses T cell receptor-dependent activation of the Ras-like small GTPase Rap1 in human T lymphocytes. <i>J. Biol. Chem.</i> 273 :4944-4949. Leucocyte Typing IV (1989). Oxford University Press van Lier, R. A. et al. (1988). Signals involved in T cell activation. T cell proliferation induced through the synergistic action of anti-CD28 and anti-CD2 monoclonal antibodies. <i>Eur. J. Immunol.</i> 18 :167-172. Leucocyte Typing III (1987). Oxford University Press		

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Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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