



Mouse Anti-Rat CD28 Monoclonal antibody, clone JJ319 (CABT-L4374)

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

PRODUCT INFORMATION

Product Overview	The JJ319 monoclonal antibody reacts with rat CD28, a 45 kDa costimulatory receptor and a member of the Ig superfamily. CD28 is expressed by thymocytes, most peripheral T cells, and NK cells. CD28 is a receptor for CD80 (B7-1) and CD86 (B7-2). Signaling through CD28 augments IL-2 and IL-2 receptor expression as well as cytotoxicity of CD3-activated T cells.
Target	Rat CD28
Immunogen	Rat CD28-transfected BALB/c mouse A2OJ cell line
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Rat
Clone	JJ319
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vitro T cell stimulation/activation, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The JJ319 monoclonal antibody reacts with rat CD28, a 45 kDa costimulatory receptor and a member of the Ig superfamily. CD28 is expressed by thymocytes, most peripheral T cells, and NK cells. CD28 is a receptor for CD80 (B7-1) and CD86 (B7-2). Signaling through CD28 augments IL-2 and IL-2 receptor expression as well as cytotoxicity of CD3-activated T cells.
Keywords	Tp44, T44

GENE INFORMATION

Official Symbol	CD28 molecule
Synonyms	Tp44, T44
References	Chen, X. L., et al. (2015). "GIMAP5 Deficiency Is Associated with Increased AKT Activity in T Lymphocytes." PLoS One 10(10): e0139019. PubMed;