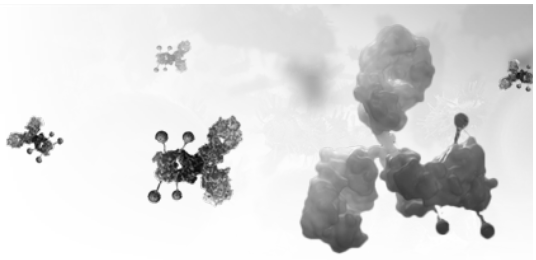

Rat Anti-Mouse CD3 Monoclonal antibody, clone 17A2 (CABT-L4310)

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

PRODUCT INFORMATION

Product Overview	The 17A2 monoclonal antibody reacts with mouse CD3, a transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. CD3 associates with TCR α/β or γ/δ chains to form the TCR complex. CD3 is expressed on T lymphocytes, NK-T cells, and to varying degrees on developing thymocytes. CD3 plays roles in TCR signaling, T lymphocyte activation, and antigen recognition. The 145-2C11 antibody has been shown to block the binding of the 17A2 antibody suggesting that the 17A2 antibody recognizes an epitope of the CD3ε chain. Treatment with the 17A2 antibody in vivo has been reported to partially deplete T lymphocytes and temporarily down-modulate CD3 expression on T cells.
Target	Mouse CD3
Immunogen	γδ TCR-positive T-T hybridoma D1
Isotype	IgG2b, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	17A2
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vitro?T cell stimulation/activation
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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 CD3 complex mediates signal transduction.
Keywords	4930549J05Rik;A430104F18Rik;AW552088;CD 3;Cd247;CD247 antigen;CD247 antigen, zeta subunit;CD247 molecule;CD3;CD3 antigen, delta subunit

GENE INFORMATION

Official Symbol	CD3
Synonyms	4930549J05Rik; A430104F18Rik; AW552088; CD 3; Cd247; CD247 antigen; CD247 antigen, zeta subunit; CD247 molecule; CD3; CD3 antigen, delta subunit
References	Choi, Y. S., et al. (2015). "LEF-1 and TCF-1 orchestrate TFH differentiation by regulating differentiation circuits upstream of the transcriptional repressor Bcl6." Nat Immunol 16(9): 980-990. PubMed;

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