

Datasheet: MCA987T

Description:	MOUSE ANTI HUMAN TCR ALPHA CHAIN
Specificity:	TCR ALPHA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3A8
Isotype:	IgG2a
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry		■		
Immunohistology - Frozen	■			
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation	■			
Western Blotting			■	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Does not react with: Mouse, Rat
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared from ascites by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
External Database Links	UniProt: P01848 Related reagents

Entrez Gene:[28755](#) TRAC [Related reagents](#)

Synonyms	TCRA
Specificity	Mouse anti Human TCR alpha Chain antibody, clone 3A8 reacts with the alpha chain constant region found on all alpha/beta TCR bearing T-lymphocytes. It reacts with 92-98% of all CD3 + peripheral blood lymphocytes.
References	1. Henry, L. <i>et al.</i> (1989) Two distinct immunogenic epitopes on the alpha chain of human T cell antigen receptor. Hybridoma. 8 (6): 577-88. 2. Koning, F. <i>et al.</i> (1988) The biosynthesis and assembly of T cell receptor alpha- and beta-chains with the CD3 complex. J Immunol. 140 (9): 3126-34. 3. Minami, Y. <i>et al.</i> (1987) Building a multichain receptor: synthesis, degradation, and assembly of the T-cell antigen receptor. Proc Natl Acad Sci U S A. 84 (9): 2688-92. 4. van Dongen, J.J. <i>et al.</i> (1987) T cell receptor-CD3 complex during early T cell differentiation. Analysis of immature T cell acute lymphoblastic leukemias (T-ALL) at DNA, RNA, and cell membrane level. J Immunol. 138 (4): 1260-9.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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