

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

RRID AB_322682

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 0.09% Sodium Azide
Stabilisers 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. *et al.* (1989) Two distinct immunogenic epitopes on the alpha chain of human T cell antigen receptor. [Hybridoma. 8 \(6\): 577-88.](#)
2. Koning, F. *et al.* (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. *et al.* (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. *et al.* (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.

Guarantee

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 IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
- Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Goat Anti Mouse IgG (STAR70...) [FITC](#)
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Human Anti Mouse IgG2a (HCA037...) [FITC](#), [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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