

## Datasheet: MCA987

**BATCH NUMBER 153218**

<b>Description:</b>	MOUSE ANTI HUMAN TCR ALPHA CHAIN
<b>Specificity:</b>	TCR ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	3A8
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 mg

## 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](http://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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Does not react with: Mouse, Rat
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared from ascites by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.5% Bovine Serum Albumin

<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01848</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">28755</a> TRAC    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TCRA
<b>RRID</b>	AB_322432
<b>Specificity</b>	<b>Mouse anti Human TCR alpha Chain antibody, clone 3A8</b> 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.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Minami, Y. <i>et al.</i> (1987) Building a multichain receptor: synthesis, degradation, and assembly of the T-cell antigen receptor. <a href="#">Proc Natl Acad Sci U S A. 84 (9): 2688-92.</a></li> <li>2. Koning, F. <i>et al.</i> (1988) The biosynthesis and assembly of T cell receptor alpha- and beta-chains with the CD3 complex. <a href="#">J Immunol. 140 (9): 3126-34.</a></li> <li>3. 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. <a href="#">J Immunol. 138 (4): 1260-9.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C.</p> <p>DO NOT FREEZE</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA987">https://www.bio-rad-antibodies.com/SDS/MCA987</a> 10041
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>

Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M369236:200529'

Printed on 19 Jan 2024

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