

## Datasheet: MCA2815F

**BATCH NUMBER 154495**

<b>Description:</b>	MOUSE ANTI HUMAN TCR ALPHA/BETA:FITC
<b>Specificity:</b>	TCR ALPHA/BETA
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	IP26
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/0.5ml

## 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	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product 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:Rat, Mouse		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography		
<b>Buffer Solution</b>	Phosphate buffered saline.		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide		
	0.2% Bovine Serum Albumin		

External Database  
Links

UniProt:

[P01850](#)    [Related reagents](#)  
[P01848](#)    [Related reagents](#)

Entrez Gene:

[28639](#)    TRBC1    [Related reagents](#)  
[28755](#)    TRAC    [Related reagents](#)

Synonyms	TCRA
RRID	AB_1102879
Specificity	<b>Mouse anti Human TCR alpha/ beta antibody, clone IP26</b> recognizes a constant region determinant found on the surface of all alpha/beta TCR bearing T lymphocytes. Approximately 92% of all CD3 + peripheral blood lymphocytes are reactive.
Flow Cytometry	Use 5ul of the suggested working dilution to label 5 x 10 <sup>5</sup> cells in 100ul.
References	<ol style="list-style-type: none"><li>1. Sullivan, B.M. &amp; Coscoy, L. (2008) Downregulation of the T-cell receptor complex and impairment of T-cell activation by human herpesvirus 6 u24 protein. <a href="#">J Virol. 82 (2): 602-8.</a></li><li>2. Nataj Arab, H.H. <i>et al.</i> (2015) Phenotypical characterization of the peripheral blood T cells in patients with celiac disease: does it differentiate suspicious celiac disease cases? <a href="#">Gastroenterol Hepatol Bed Bench. 8 (2): 132-9.</a></li><li>3. Liao, Z. <i>et al.</i> (2017) A Local Inflammatory Renin-Angiotensin System Drives Sensory Axon Sprouting in Provoked Vestibulodynia. <a href="#">J Pain. Jan 3. pii: S1526-5900(16)30367-4. [Epub ahead of print]</a></li></ol>
Storage	Store at +4°C.  DO NOT FREEZE.  This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2815F10041">https://www.bio-rad-antibodies.com/SDS/MCA2815F10041</a>
Regulatory	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

## Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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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)

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