

## OriGene Technologies Inc.

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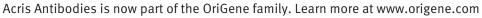
#### CLOBOR OriGene EU

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# Monoclonal Antibody to T Cell Receptor (TCR) Vb 8.3 - PE

Alternate names:	TCR V beta-8.3, TCR Vb8.3
Catalog No.:	CL080R
Quantity:	50 µg
Concentration:	0.1 mg/ml
Host / Isotype:	Mouse / IgG2a
Clone:	KT-8C1
Format:	<b>State:</b> Liquid purified <b>Buffer System:</b> PBS, 0.09% NaN3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. <b>Label:</b> PE
Applications:	Flow Cyometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This monoclonal antibody detects Vb 8.3 bearing T cells. <b>Species:</b> Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should protected from light. Shelf life: one year from despatch.
General Readings:	1. Tomonari, k., Immunogenetics (in press).
Protocols:	FLOW CYTOMETRY ANALYSIS:
	<ul> <li>Method:</li> <li>1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M cell separation medium.</li> <li>2. Wash 2 times.</li> <li>3. Resuspend the cells to a concentration of 2x10e7 cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain 1 x 10e6 cells, representing 1 test).</li> <li>4. To each tube, add ~1.0 µg* of this Ab per 10e6 cells.</li> <li>5. Vortex the tubes to ensure thorough mixing of antibody and cells.</li> <li>6. Incubate the tubes for 30 minutes at 4°C. (It is recommended that the tubes are protected from light, since most flurochromes are light sensitive.)</li> <li>7. Wash 2 times at 4°C.</li> <li>8. Resuspend the cell pellet in 50 µl ice cold media B.</li> <li>9. Transfer to suitable tubes for flow cytometric analysis containing 15 µl of propidium</li> </ul>

**For research and in vitro use only. Not for diagnostic or therapeutic work.** Material Safety Datasheets are available at www.acris-antibodies.com or on request.





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iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA.

### Media:

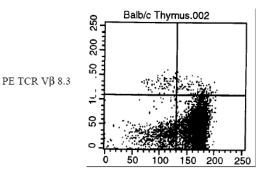
A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100  $\mu$ l of 2M sodium azide in 100 mls).

B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100  $\mu$ l of 2M sodium azide in 100 mls).

### **Results - Tissue Distribution by Flow Cytometry Analysis:**

<u>Mouse Strain</u>: BALB/c <u>Cell Concentration</u>: 1x10e6 cells per tests <u>Antibody Concentration Used</u>: 1.0 μg/10e6 cells <u>Isotypic Control</u>: PE Mouse IgG2a

**Pictures:** 



FITC CD90 Cell source: Thymus Percentage stained above control: 1.8%



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