

## Monoclonal Antibody to CD8 beta - PE

<b>Alternate names:</b>	CD8B, CD8B1, T-cell surface glycoprotein CD8 beta chain
<b>Catalog No.:</b>	AM05678RP-N
<b>Quantity:</b>	0.5 ml
<b>Concentration:</b>	0.1mg/ml
<b>Background:</b>	The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.
<b>Uniprot ID:</b>	<a href="#">P10300</a>
<b>NCBI:</b>	<a href="#">NP_033988</a>
<b>GeneID:</b>	<a href="#">12526</a>
<b>Host / Isotype:</b>	Rat / IgG2b
<b>Clone:</b>	YTS156.7.7
<b>Immunogen:</b>	Mouse thymocytes
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Affinity chromatography <b>Buffer System:</b> Phosphate buffered saline pH7.2 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin <b>Label:</b> PE – R. Phycoerythrin (RPE)
<b>Applications:</b>	Flow Cytometry: 1/5. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with CD8 Beta Chain. <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>Caution:</b>	(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**General Readings:** 1. McNicol AM, Bendle G, Holler A, Matjeka T, Dalton E, Rettig L, et al. CD8alpha/alpha homodimers fail to function as co-receptor for a CD8-dependent TCR. Eur J Immunol. 2007 Jun;37(6):1634-41. PubMed PMID: 17506031.

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