

## Monoclonal Antibody to CD8 beta - PE

<b>Alternate names:</b>	CD8B, CD8B1, T-cell surface glycoprotein CD8 beta chain
<b>Catalog No.:</b>	AM08123RP-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	<p>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.</p> <p>Chicken CD8 is expressed on approximately 80% of thymocytes, 45% of blood mononuclear cells and 50% of spleen cells, but</p>
<b>Uniprot ID:</b>	<a href="#">Q90769</a>
<b>NCBI:</b>	<a href="#">NP_990578</a>
<b>GeneID:</b>	<a href="#">396175</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Clone:</b>	EP42
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. <b>Label:</b> PE – R-Phycoerythrin
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 0.2 µg/10e6 cells. (Ref.2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes beta chain of Chicken CD8 (Mr. 34 kDa). <b>Species:</b> Chicken. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Tregaskes, C.A., F. Kong, E. Paramithiotis, C.-L. Chen, M.J.H. Ratcliffe, T. F. Davison, and J.R. Young. 1995. J. Immunol. 154:4485.

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2. Chan, M.L., C.-L. Chen, L. Ager, and M.D. Cooper. 1988. J. Immunol. 140:2133.
3. Cooper, M.D., R.P. Bucy, and C.-L. Chen. 1990.. In: The Avian Model in Developmental Biology: From Organism to Genes. Editions du CNRS, pp. 239-249.
4. Ratcliffe. 1996. Personal communication.

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