

Monoclonal Antibody to CD8 beta - FITC

Alternate names:	CD8B, CD8B1, T-cell surface glycoprotein CD8 beta chain
Catalog No.:	AM08123FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	<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>
Uniprot ID:	Q90769
NCBI:	NP_990578
GeneID:	396175
Host / Isotype:	Mouse / IgG2a
Clone:	EP42
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes beta chain of Chicken CD8 (Mr. 34 kDa). Species: Chicken. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	<ol style="list-style-type: none">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. 154:4485.2. 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

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.

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



Biology: From Organism to Genes. Editions du CNRS, pp. 239-249.

4. Ratcliffe. 1996. Personal communication.

Pictures:

Immunofluorescent Staining: Chicken IEL were double stained with Mouse anti-Chicken CD8b-FITC and Mouse anti-Chicken CD8b-RPE. Small lymphocytes were then gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used: 1 µg/10e6 cells.

