

## Acris Antibodies, Inc.

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	Monoclonal Antibody to CD8 - FITC
Alternate names:	CD8 alpha chain, CD8A, MAL, T-cell surface glycoprotein CD8 alpha chain, T-lymphocyte differentiation antigen T8/Leu-2
Catalog No.:	AM08138FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	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 sha significant homology to immunoglobulin variable light chains. CD8 is expressed on most thymocytes and approximately 1/3 of peripheral blood T cells in humans. CD8 alpha/beta heterodimers can be expressed on alpha/beta and gamma/delta T cells and some NK cell in humans. The pattern of expression in other species has not been well documented.
Uniprot ID:	<u>Q0R414</u>
NCBI:	<u>9031</u>
Host / Isotype:	Mouse / IgG2b
Clone:	EP72
Format:	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	<b>Flow Cytometry:</b> < $/ = 1 \mu g/10e6$ cells. (Ref.1-3) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes alpha chain (34-kDa) of Chicken CD8. <b>Species:</b> 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:	1. Chan, M.L., CL. Chen, L. Ager, and M.D. Cooper. 1988. Identification of the avian homologues of mammalian CD4 and CD8 antigens. J. Immunol. 140:2133-2138.

## 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

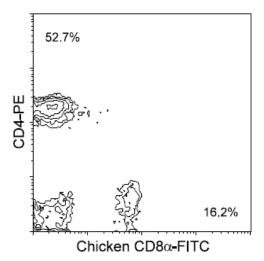


**Pictures:** 

## AM08138FC-N: Monoclonal Antibody to CD8 - FITC

 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.
Tregaskes, C.A., F. Kong, E. Paramithiotis, C.-L. Chen, M.J.H. Ratcliffe, T. F. Davison, and J.R. Young. 1995. J. Immunol. 154:4485-4494.

Immunofluorescent Staining: Chicken peripheral blood mononuclear cells were double stained with Mouse anti-Chicken CD8a-FITC and Mouse anti-Chicken CD4-PE. Small lymphocytes were gated using light scatter criteria and analyzed on a FACScan(TM) flow cytometer (BDB, San Jose, CA). Amount Used: 1 μg/10e6 cells.



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