

## Monoclonal Antibody to CD8 - PE

<b>Alternate names:</b>	CD8 alpha chain, CD8A, MAL, T-cell surface glycoprotein CD8 alpha chain, T-lymphocyte differentiation antigen T8/Leu-2
<b>Catalog No.:</b>	AM08112RP-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/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="#">P41688</a>
<b>NCBI:</b>	<a href="#">NP_001009843</a>
<b>GeneID:</b>	<a href="#">493799</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	fCD8
<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.1-2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Feline CD8 (Mr. 70 kDa) (38/31 kDa under reducing conditions). <b>Species:</b> Feline (Cat). 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. Klotz, F.W., and M.D. Cooper, 1986. J. Immunol. 136:2510-2514. 2. Dean, G.A., S.L. Quackenbush, C.D. Ackley, M.D. Cooper, and E.A. Hoover. 1991. Vet. Immunol. Immunopathol 28:327-335.

**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)



**Pictures:**

**Immunofluorescent Staining:** Peripheral blood mononuclear cells from a healthy domestic Cat were double-stained with Mouse anti-Feline CD5-FITC (Cat.AM08111FC-N) and Mouse anti-Feline CD8-PE. Small lymphocytes were then gated and analyzed by two-color flow cytometry on a FACScan(TM) flow cytometry (BDIS, San Jose, CA). Amount Used: 0.2 µg/10e6 cells.

