

## Monoclonal Antibody to CD8 - PE-Cy5.5

<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>	AM08158RC5-N
<b>Quantity:</b>	100 Tests
<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. CD8 functions primarily as a coreceptor with MHC Class I-restricted TCR's in antigen recognition. (Ref.1-2)
<b>Uniprot ID:</b>	<a href="#">P01732</a>
<b>NCBI:</b>	<a href="#">NP_001759</a>
<b>GeneID:</b>	<a href="#">925</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	RFT-8
<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-Cy5.5 – R-Phycoerythrin-Cyanine 5.5
<b>Applications:</b>	<b>Flow Cytometry:</b> 10 µL/10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes CD8. <b>Species:</b> Human. 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. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD8 Section, Academic Press, New York, p. 149. 2. Zamoyska, R. 1994. Immunity 1:243.

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Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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