

## Monoclonal Antibody to CD8 - FITC

<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>	SM011FSX
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	0.5 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="#">P01731</a>
<b>NCBI:</b>	<a href="#">NP_001074579.1</a>
<b>GeneID:</b>	<a href="#">12525</a>
<b>Host / Isotype:</b>	Rat / IgG2a
<b>Clone:</b>	KT15
<b>Immunogen:</b>	T cell clone, C6. Spleen cells from immunised SD rats were fused with cells of the NSO mouse myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Affinity chromatography on Protein A <b>Buffer System:</b> PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	Flow Cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with a non-polymorphic epitope on the CD8 alpha chain. Stains Ly2.1 and Ly2.2 cells. <b>Species:</b> Mouse. Other species not tested.

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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)

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
This product is photosensitive and should be protected from light.  
Shelf life: one year from despatch.

**General References:** 1. Tomonari, K. et al. (1988) T-cell receptor-specific monoclonal antibodies against a V beta 11 positive mouse T-cell clone. Immunogenetics. 28(6): 445-451.

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