

# Monoclonal Mouse Antibody to Human T Cell, Suppressor/Cytotoxic, CD8

## Description:

Clone:	DK25
Isotype:	IgG1, kappa
Format:	Monoclonal mouse antibody supplied in liquid form as tissue culture supernatant, dialysed against 0.05 M Tris/HCl, 15 mM NaN <sub>3</sub> , pH 7.2.
Specificity:	This ScyTek antibody labels suppressor/cytotoxic T cells in peripheral human lymphoid tissue. These cells constitute only 15-20% of T cells in T cell regions (e.g. interfollicular areas) accounting for an even lower percentage of T cells within germinal centers.

Conversely, up to 80% of T cells in bone marrow and gut epithelium are of suppressor/cytotoxic type and can thus be labeled with this antibody.

In human thymus the antibody labels the great majority of cortical thymocytes and approximately 30% of medullary thymocytes. In human spleen it stains T cells found in the sinus lining in addition to suppressor/cytotoxic T cells.

Titer/Working Dilution:	This antibody may be used at a dilution of 1:25-1:100 in the APAAP and three-stage immunoperoxidase technique when tested on acetone-fixed sections of normal tonsil and fixed cell smears. However, depending on the staining conditions optimal dilution should be determined by the individual user.
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<b>Uses/Limitations:</b>	Immunohistochemistry For Research Use Only. Do not use past expiration date.
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<b>Storage:</b>	2-8° Centigrade.
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<b>Procedure:</b>	<i><u>This antibody is not suitable for fixed paraffin sections. It is recommended for frozen sections only.</u></i> Can be used in conjunction with the alkaline phosphatase anti-alkaline phosphatase technique for demonstrating T suppressor/cytotoxic cells in cell smears or cryostat sections.
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<b>Precautions:</b>	Contains Sodium Azide as a preservative. Do not pipette by mouth.
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<b>References:</b>	1. Ledbetter JA, et al. J Exp Med 1981;153:310-23 2. Phan-Dinh-Tuy et al. Mol Immunol 1982;19:1649-54 3. Barber EK, et al. Proc Natl Acad Sci 1989;89:3277-81
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