

SM2174F**Monoclonal Antibody to CD5 - FITC**

Alternate names:	CD5, LEU1, Lymphocyte antigen T1/Leu-1, T-cell surface glycoprotein CD5
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Studies suggest that CD5 plays an important role in the regulation of immune tolerance and lymphocyte selection.
Uniprot ID:	P13379
NCBI:	NP_031676.3
GeneID:	12507
Host / Isotype:	Rat / IgG2b
Clone:	YTS 121.5.2
Immunogen:	CBA mouse thymocytes. Spleen cells from immunised DA Rats were fused with cells of the rat Y3Ag1.2.3 myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: 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.
Specificity:	This antibody recognises CD5 (Lyt-1) a cell surface glycoprotein expressed by T-lymphocytes. Clone YTS 121.5.2 is suitable for T-cell depletion in-vivo. We recommend the use of SM2174LE for this purpose. Species: Mouse. Other species not tested.
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 Readings:	1. Cobbold SP, Jayasuriya A, Nash A, Prospero TD, Waldmann H. Therapy with monoclonal antibodies by elimination of T-cell subsets in vivo. Nature. 1984 Dec 6-12;312(5994):548-51. PubMed PMID: 6150440.