



Magic™ Anti-CD3 monoclonal antibody, clone VCHT2 [FITC] (DMAB5138)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The Anti-CD3 conjugates have been produced from a purified monoclonal mouse antibody. The conjugates are provided in liquid form. It is intended for use in flow cytometry. CD3 is a pan-T-cell-lineage-restricted antigen, which is a valuable marker for normal
Specificity	Anti-CD3 was included in the First and Third International Workshops and Conferences on Human Leucocyte Differentiation Antigens, and studies by a number of laboratories confirmed its reactivity with the CD3 antigen. Anti-CD3 reacts with the 20 kDa ϵ -chain of CD3. Anti-CD3 labels T cells in thymus, bone marrow, spleen, tonsil and blood. It also labels Purkinje cells in the cerebellum, which is the only other cell type known to bind antibodies to CD3. The antibody is able to induce in vitro proliferation of mature thymocytes and T cells in the presence of interleukin-2 (IL-2).
Immunogen	Human infant thymocytes and lymphocytes from a patient with Sézary disease.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	VCHT2
Conjugate	FITC
Format	liquid form in buffer containing 1% bovine serum albumin (BSA) and 15 mmol/L Na ₂ S ₂ O ₃ , pH 7.2.
Preservative	15 mmol/L Sodium Azide
Storage	Store in the dark at 2°C-8°C. Do not use after expiration date stamped on vial. If reagents are stored under any conditions other than those specified, the conditions

must be verified by the user. There are no obvious signs to indicate instability of this product. Therefore, positive and negative controls should be run simultaneously with patient specimens.

BACKGROUND

Introduction

Human TCR/CD3 is a complex structure on the lymphocyte surface. It consists of the TCR $\alpha\beta$ or TCR $\gamma\delta$ heterodimer and the associated CD3 complex. The CD3 complex is composed of six polypeptides with usually four different transmembrane CD3 chains, γ (gamma), δ (de

Keywords

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GENE INFORMATION

Entrez Gene ID

[916](#)

UniProt ID

[P07766](#)
