



Mouse Anti Human CD3 PE

PRODUCT INFORMATION

CLONE: HIT3b

ISOTYPE: Mouse IgG1

CATALOG#: A7023/A7033

CONTENTS: RPE - conjugated antibody buffered in 10mM PBS (PH 7.2) with 0.05% NaN₃ and 1% BSA.

DESCRIPTION

CD3 McAb recognizes the 17-19 KD ϵ -chain and reacts with this ϵ -chain of the CD3 antigen/T cell antigen receptor(TCR) complex. CD3 antigen appears in the cytoplasm of the cell during the early stage of T cell development and is expressed on the cell membrane at the late stage. CD3 antigen is present on 60%-80% of normal peripheral blood lymphocytes and 60%-70% of thymocytes and plays an important role in signal transduction after antigen recognition by TCR. HIT3b McAb has a strong mitogenic effect on T lymphocytes proliferation only under immobilized condition. In addition, NK cells express CD3 chain in the cytoplasm, and CD3 McAb provide a tool for analyzing the development relationship and the common precursor of both T cells and NK cells.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with RPE under optimum conditions.

USAGE

The FITC conjugation is tested for flow cytometric analysis using 20 μ l/10⁶ cells or 100 μ l peripheral blood cells.

STORAGE

Store at 4°C, should not be frozen and avoid prolonged exposure to light.

Use For Research Only