

mFluor™ UV460 Anti-human CD3 Antibody *HIT3b*

Catalog number: 100310Y0, 100310Y1

Unit size: 100 tests, 500 tests

Product Details

Storage Conditions 2-8°C with minimized light exposure. Do not freeze.

Expiration Date 12 months upon receiving

Concentration 0.1 mg/mL

Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA

Antibody Properties

Species Reactivity Human

Class Primary

Clonality Monoclonal

Host Mouse

Isotype Mouse IgG1

Immunogen CD3e (T3E)

Clone HIT3b

Conjugate mFluor™ UV460

Biological Properties

Preparation Antibody purified by affinity chromatography and then conjugated with mFluor™ UV460 under

optimal conditions

Application Flow Cytometry (FACS), Fluorescence Imaging

Spectral Properties

Conjugate mFluor™ UV460

Excitation Wavelength 358 nm

Emission Wavelength 456 nm

Applications

The HIT3b monoclonal antibody binds to human CD3e, a 20 kD single-pass type i membrane protein commonly located on the surface of nkt cells, tregs, thymocytes (differentiation dependent)s, thymocytes and t cells. In many organisms, CD3 positively regulates T cell anergy, is a promoter of peptidyl-tyrosine phosphorylation and enhances interferon-gamma production. Also, it is a component of vital cellular pathways, namely, the G protein-coupled receptor signaling pathway, cell surface receptor signaling pathway and negative regulation of smoothened signaling pathway. From a research standpoint, it is of biological interest due to its association with vital macromolecules/ligands such as TCR.

chromatography and conjugated to mFluor™ UV460 (ex/em = 3 filter (for example, as in the Bio-Rad ZE5 Cell Analyzer).	358/456 nm). It is compatible with the 355 nm laser and 447/60 nm bandpass
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