Anti-Human CD3 [UCHT-1] In Vivo Antibody - Low Endotoxin

IVMB0117

Description

This Anti-Human CD3 [UCHT-1] In Vivo Antibody - Low Endotoxin is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: IVMB0117

Contents: 1mg, 5mg, 25mg, 50mg, 100mg
Bradford Reagent: 1 vial (2ml)

Synonyms: T3, CD3ε

Category: Monoclonal Antibody

Target: CD3

Clone: UCHT-1

Isotype: Mouse IgG1 κ

Applications: Act CyTOF® Depletion FC ICC IF Staining IHC FF In Vivo IP PhenoCycler® WB

Specificity: Clone UCHT-1 binds to an acidic region of CD3-epsilon, occluding this region from direct interaction with the T cell receptor. This antibody is considered a pan T-cell marker. Furthermore, this antibody can be used for the detection of T cell populations in peripheral blood, lymph nodes and the categorisation of T versus B cell lymphomas and leukaemia's. It reacts with the majority of peripheral blood T lymphocytes, a significant proportion of thymocytes, the majority of T cell chronic lymphocytic leukemia cells and approximately 70% of acute lymphoblastic leukaemia's of T cell origin.

Antibody Data

Reactivity: Human

Manufacturers Statement

This final kit system is assembled and quality-released by Assay Genie Limited.

Host species: Mouse

Expression Host: -

Immunogen: This Antibody was created by Professor Peter Beverley, a pioneer in creating hybridomas from mice immunized against Human Lymphocytes, with UCHT1 being one of the first successful fusions.

Product concentration: ≥ 5.0 mg/ml

Endotoxin Level: < 1.0 EU/mg as determined by the LAL method

Purity: ≥95% Monomer by analytical SEC, >95% by SDS Page

Formulation: This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Preparation & Storage

Storage: Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C. Avoid Repeated Freeze Thaw Cycles.
Store Bradford Reagent at Room Temperature for 1 Year.

Shipping: Next Day 2-8°C

Preparation: Functional grade preclinical antibodies are manufactured in an animal free facility using in vitro cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Recommended Dilution Buffer: In vivo Antibody Diluent pH 7.2

Recommended Usage:

Application	Recommended Usage
FC	The suggested concentration for this UCHT-1 antibody for staining cells in flow cytometry is ≤ .25 µg per 10^6 cells in a volume of 100 µl or 100µl of whole blood. Titration

	of the reagent is recommended for optimal performance for each application.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol