Technical Data Sheet

Purified NA/LE Mouse Anti-Human CD3

Product Information

Material Number: 555329

Alternate Name: CD3e; CD3E; T3E; TCRE; T-cell surface antigen T3/Leu-4 epsilon

 Size:
 0.5 mg

 Concentration:
 1.0 mg/ml

 Clone:
 UCHT1

 Isotype:
 Mouse IgG1, κ

 Reactivity:
 QC Testing: Human

Workshop: III 47

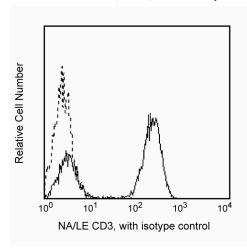
Storage Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative,

0.2μm sterile filtered. Endotoxin level is \leq 0.01 EU/μg (\leq 0.001 ng/μg) of

protein as determined by the LAL assay.

Description

The UCHT1 monoclonal antibody specifically binds to the human CD3ε-chain, a 20-kDa subunit of the CD3/T cell antigen receptor complex. CD3ε is expressed on 70-80% of normal human peripheral blood lymphocytes and 60-85% of thymocytes. Studies from the HLDA Workshop show that this antibody is mitogenic for CD3ε-positive cells when used in conjunction with costimulatory agents such as pokeweed mitogen or anti-CD28 antibody. CD3 plays a central role in signal transduction during antigen recognition. The UCHT1 antibody stains both surface and intracellular CD3ε unlike the other CD3 clone, HIT3a, that stains only extracellular CD3ε.



Profile of peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA).

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

Flow cytometry	Routinely Tested
Functional assay	Tested During Development

Suggested Companion Products

Catalog Number	Name	<u>Size</u>	<u>Clone</u>	
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal	
554721	Purified NA/LE Mouse IgG1 κ Isotype Control	0.5 mg	107.3	

Product Notices

- 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- 2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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555329 Rev. 6 Page 1 of 2

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555329 Rev. 6 Page 2 of 2