

Datasheet for ABIN7077103  
**anti-CD3 antibody (iFluor™ 594)**



[Go to Product page](#)

1 Image

## Overview

|              |  |
|--------------|--|
| Quantity:    | 100 tests                                      |
| Target:      | CD3  |
| Reactivity:  | Human  |
| Host:        | Mouse  |
| Clonality:   | Monoclonal                                     |
| Conjugate:   | This CD3 antibody is conjugated to iFluor™ 594 |
| Application: | Flow Cytometry (FACS)                          |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | CD3 iFluor™ 594 Antibody  |
| Immunogen:       | Thymocytes and peripheral blood lymphocytes from a Sézary Syndrome donor  |
| Clone:           | UCHT1   |
| Isotype:         | IgG1, kappa   |
| Characteristics: | The monoclonal UCHT1 clone recognizes CD3ε antigen, a 20kDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. The CD3 complex contains a CD3γ chain, a CD3δ chain, and two CD3ε chains. These chains associate with a molecule known as the T-cell receptor (TCR) and the ζ-chain (zeta-chain) to generate an activation signal in T lymphocytes. CD3ε is expressed on T lymphocytes, NK-T cells, and to varying degrees on developing thymocytes. CD3 plays central roles in TCR signaling, T lymphocyte activation, and antigen recognition. Crosslinking of the TCR via plate bound UCHT1 monoclonal is widely used to study the activation T cell response in vitro. |

## Product Details

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|               |           |
|---------------|-----------|
| Purification: | Purified  |
| Purity:       | >95 %     |
| Grade:        | GMP Grade |

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | CD3   |
| Alternative Name: | CD3 ( <a href="#">CD3 Products</a> )                        |
| Gene ID:          | 916   |
| NCBI Accession:   | <a href="#">NM_000733</a>                                   |
| UniProt:          | <a href="#">P07766</a>                                      |
| Pathways:         | <a href="#">TCR Signaling, Ubiquitin Proteasome Pathway</a> |

## Application Details

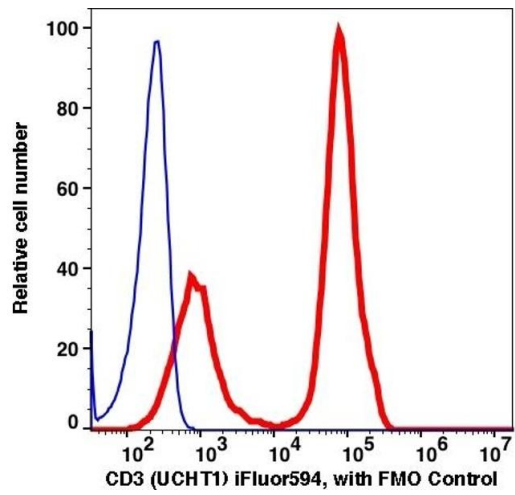
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|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | PBS pH 7.2, 0.2 % (w/v) BSA, 0.09 % (w/v) sodium azide   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C   |
| Storage Comment:   | 2-8°C, Conjugated antibodies should never be frozen.   |



### Flow Cytometry

Image 1.