

**AF/LE Purified Anti-Human CD3 Antibody[UCHT1]**

<b>Catalog No.</b>	E-AB-F12300	<b>Reactivity</b>	Human
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM,Activ,Inhibition

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Antigen Information**

<b>Alternate Names</b>	T-cell surface glycoprotein CD3 epsilon chain,CD3E,T-cell surface antigen T3/Leu-4 epsilon chain,CD3e,CD3E,T3E
<b>Uniprot ID</b>	P07766
<b>Background</b>	CD3ε is a 20 kD chain of the CD3/T cell receptor (TCR) complex, which is composed of two CD3ε, one CD3γ, one CD3δ, one CD3ζ (CD247), and a T cell receptor (α/β or γ/δ) heterodimer. It is found on all mature T lymphocytes, NK T cells, and some thymocytes. CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation.

**Product Details**

<b>Form</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	50μg/500μg/1mg
<b>Clone No.</b>	UCHT1
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Reactivity</b>	Human
<b>Application</b>	FCM,Activ,Inhibition
<b>Isotype Control</b>	<a href="#">AF/LE Purified Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F097930]</a>
<b>Storage Buffer</b>	0.2 μm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
<b>Shipping</b>	Biological ice pack at 4 °C
<b>Stability &amp; Storage</b>	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase.

**For Research Use Only**

## Fluorophore

**Conjugation:** None (Purified antibody-Azide Free/Low endotoxin)

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 0.5 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>