

3-Colour Reagent anti-human CD3/CD4/CD19

Premixed Antibody Combination

FITC conjugated anti human **CD3** (UCHT-1; mouse IgG1/kappa)
PE conjugated anti human **CD4** (EDU-2; mouse IgG2a)
APC conjugated anti human **CD19** (LT19; mouse IgG1)

Cat-No: **21453005**

500 µl

Specificity of CD3: The antibody UCHT1 recognizes the CD3 antigen of the TCR/CD3 complex on mature human T-cells. The UCHT1 antibody reacts with the epsilon chain of the CD3 complex.

Specificity of CD4: The UCHT-4 antibody recognises the CD4 alpha antigen on human cytotoxic/suppressor T-cells. On flow cytometry it stains 14-45% of human peripheral blood mononuclear cells. The antibody has been studied at the III. International Workshop on Human Leukocyte Differentiation Antigens. CD8 is a TCR coreceptor molecule binding MHC class I. The CD8 antigen is expressed on human supressor/cytotoxic T-cells, human NK-cell subset, cortical thymocyte subset and granulocytes.

Specificity of CD19: The antibody LT19 reacts with CD19 (B4), a 95 kDa type I transmembrane glycoprotein (immunoglobulin superfamily) expressed on B lymphocytes and follicular dendritic cells; it is lost on plasma cells.

Form: The anti-human CD3 antibody UCHT-1 is conjugated with Fluorescein isothiocyanate (FITC). The anti-human CD4 antibody EDU-2 is conjugated with R-Phycoerythrin (R-PE). The anti-human CD19 antibody LT19 is conjugated with Allophycocyanin (APC).

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing BSA and 0.09% sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

Application: Flow Cytometry, 500µl = 25 tests

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

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