

## 3-Colour Reagent anti-human CD4/CD8/CD45

### Premixed Antibody Combination

FITC conjugated anti human **CD4** (EDU-2; mouse IgG2a)  
PE conjugated anti human **CD8** (UCHT-4; mouse IgG2a/kappa)  
PerCP conjugated anti human **CD45** (HI30; mouse IgG1)

Cat-No: **21453009**

500 µl

**Specificity of CD4:** The antibody EDU-2 recognizes CD4 antigen, a 55 kDa transmembrane glycoprotein expressed on a subset of T lymphocytes ("helper" T-cells) and also on monocytes, tissue macrophages and granulocytes.

**Specificity of CD8:** The UCHT-4 antibody recognises the CD8 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 suppressor/cytotoxic T-cells, human NK-cell subset, cortical thymocyte subset and granulocytes.

**Specificity of CD45:** The antibody HI30 reacts with all alternative forms of human CD45 antigen (Leukocyte Common Antigen), a 180-220 kDa single chain type I transmembrane protein expressed at high level on all cells of hematopoietic origin, except erythrocytes and platelets and non-hematopoietic tissues and cells. CD45 is critically required for T and B cell antigen receptor-mediated activation.

**Form:** The anti-human CD4 antibody EDU-2 is conjugated with Fluorescein isothiocyanate (FITC). The anti-human CD8 antibody UCHT-4 is conjugated with R-Phycoerythrin (R-PE). The anti-human CD45 antibody HI30 is conjugated with Peridin Chlorophyll.

**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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