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10-4089: Monoclonal Antibody to CD3 (Clone: OKT3)

Clonality: Monoclonal

Clone Name: ОКТ3 Application: **FACS** Reactivity: Human Gene: CD3D Gene ID: 915 **Uniprot ID:** P04234 **Purified** Format: **Alternative Name:** CD3D,T3D

Isotype: Mouse IgG2a Kappa

Immunogen Information : Human PBMCs were used as immunogen for the CD3 antibody.

Description

CD3 is one of the several invariant chains that the variable chains of TCR: Alpha beta or Gamma delta TCR contains, and which support surface TCR expression and transduce the TCR signal. CD3D, along with four other CD3 subunits, binds either TCR alpha/beta or TCR gamma/delta to form the TCR/CD3 complex on the surface of T-cells. Defects in this gene are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (SCIDBNK).

Product Info

Amount : $25 \mu g / 100 \mu g$

Purification: Protein G Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

FACS analysis: $0.1 \,\mu g/10^6$ cells

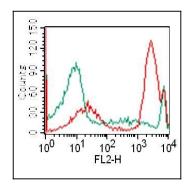


Fig-1: Cell Surface flow analysis of hCD3 in PBMC (Lymphocytes gated) using $0.1 \mu g/10^6$ cells. Green represents isotype control (ABEOMICS); red represents anti-hCD3 antibody (10-4089). Goat anti-mouse PE conjugated secondary antibody was used (ABEOMICS).