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

Clonality :	Monoclonal
Clone Name :	OKT3
Application :	FACS
Reactivity :	Human
Gene :	CD3D
Gene ID :	915
Uniprot ID :	P04234
Format :	Purified
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 µg / 100 µg
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 µg/10^6 cells

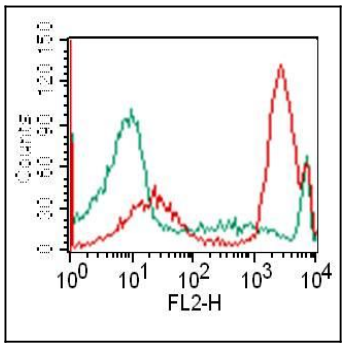


Fig-1: Cell Surface flow analysis of hCD3 in PBMC (Lymphocytes gated) using 0.1 µg/10^6 cells. Green represents isotype control (ABEOMICS); red represents anti-hCD3 antibody (10-4089). Goat anti-mouse PE conjugated secondary antibody was used (ABEOMICS).

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