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10-4123: Monoclonal Antibody to Mouse CD3 (Clone: 145-2C11)

Clonality: Monoclonal Clone Name: 145-2C11 Application: **FACS** Reactivity: Mouse Gene: Cd247 Gene ID: 12503 **Uniprot ID:** P24161 Format: Purified

Alternative Name: T-cell surface glycoprotein CD3 zeta chain,T-cell receptor T3 zeta chain,CD247

Isotype: Hamster IgG

Immunogen Information: Mouse BM10-37 cytotoxic T lymphocytes were used as immunogen for this 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:

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: 0.5-1 µg/10^6 cells

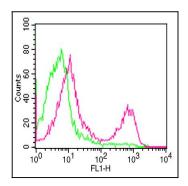


Figure-1: Cell Surface flow analysis of mouse CD3 in splenocytes using $0.5 \mu g/10^6$ cells. Green represents isotype control; red represents mouse CD3 antibody (10-4123). Goat antihamster IgG FITC conjugate secondary antibody (ABEOMICS) was used.