

Purified Anti-Human CD3E Antibody[CRIS-7]

catalog number: AN003740P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

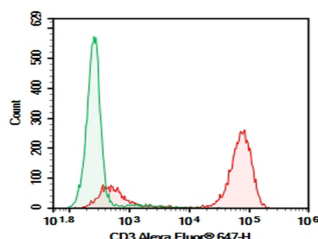
Reactivity	Human
Immunogen	Recombinant Human CD3E protein
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone	CRIS-7
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (1×10^5 - 5×10^5 cells)
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Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human CD3E Antibody[CRIS-7] (Right) and 0.2 μg mouse IgG2a, κ Isotype Control (Left), followed by AF647-conjugated goat Anti-mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The CD3 ϵ chain of the CD3-TCR complex is a type I membrane protein that undergoes conformational change following ligation of the TCR-CD3 complex. This conformational change leads to exposure of the proline rich sequence in CD3 ϵ and results in recruitment of Nck. It is expressed by all mature T cells and forms a heteromeric complex with CD3 α/β or γ/δ and ζ chains. It is important in T cell development, and deficiency of this gene has been associated with severe immunodeficiency.