

Datasheet for ABIN6941031
anti-CD3 epsilon antibody



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2 Images

Overview

Quantity:	100 µg
Target:	CD3 epsilon (CD3E)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func)

Product Details

Immunogen:	Human PBMCs
Clone:	OKT3
Isotype:	IgG2a kappa
Specificity:	Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28 kDa. It is found on all mature T-lymphocytes, NK, T-cells, and some thymocytes. CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation. It is expressed, typically at high levels, on peripheral T cells and majority of T cell neoplasms. Thymocytes express CD3 at different level on the cell surface in the course of differentiation and, in cortical thymus, CD3 is predominantly Intracytoplasmic. This MAb has been reported to have potent immunosuppressive properties in vivo and has been proven effective in the treatment of renal, heart and liver allograft rejection.

Target Details

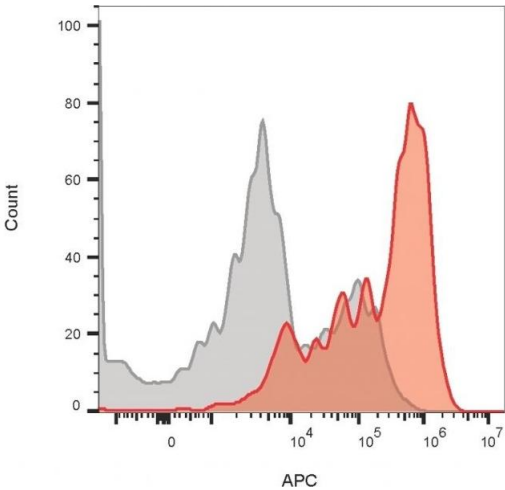
Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E (CD3E Products)
Molecular Weight:	23kDa
Gene ID:	916
UniProt:	P07766
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Positive Control: Jurkat cells. Tonsil and lymph node. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunohistochemistry (acetone fixed frozen sections), Immunofluorescence (1-2 µg/mL), Functional Studies (Order Ab without Azide), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

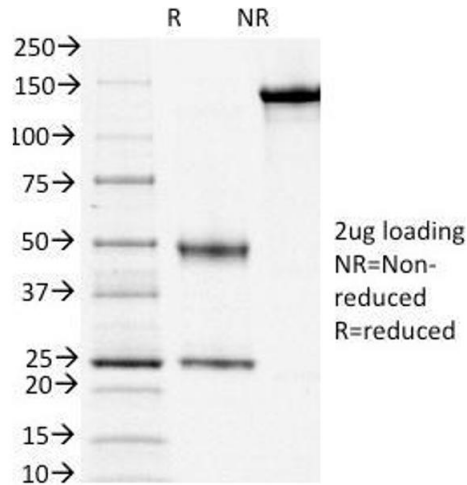
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



Flow Cytometry

Image 1. Flow cytometry of lymphocyte gated PBMCs stained with CD3 mouse monoclonal antibody (OKT3) (red) or isotype control (gray) followed by goat anti-mouse CF640R (red)



SDS-PAGE

Image 2. SDS-PAGE Analysis Purified CD3e Mouse Monoclonal Antibody (OKT3). Confirmation of Purity and Integrity of Antibody.