

Datasheet for ABIN6941021

anti-CD3 epsilon antibody (Cytoplasmic Domain)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD3 epsilon (CD3E)
Binding Specificity:	AA 156-168, Cytoplasmic Domain
Reactivity:	Human, Rat, Pig, Rabbit, Cow, Horse, Guinea Pig, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to amino acids 156-168 of the cytoplasmic domain of human CD3-ε chain
Clone:	PC3-188A
Isotype:	IgG1 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. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T

Product Details

cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

Purification: Purified by Protein A/G

Target Details

Target: CD3 epsilon (CD3E)

Alternative Name: CD3E ([CD3E Products](#))

Molecular Weight: 20kDa

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), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL for 60 minutes at RT), 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.

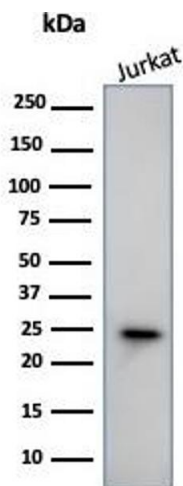
Preservative: Sodium azide

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

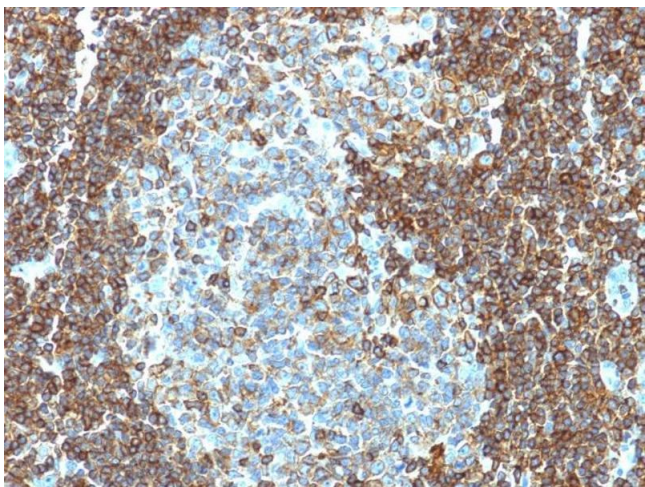
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



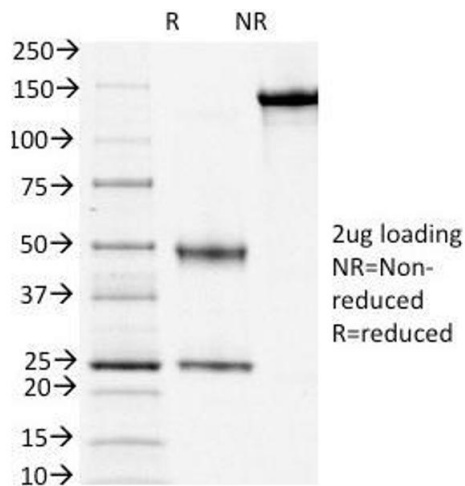
Western Blotting

Image 1. Western Blot Analysis of human Jurkat Cell lysate using CD3e Mouse Monoclonal Antibody (PC3/188A).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with CD3e Mouse Monoclonal Antibody (PC3/188A).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified CD3e Mouse Monoclonal Antibody (PC3/188A). Confirmation of Integrity and Purity of Antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6941021.