

Datasheet for ABIN6941037

anti-CD3 epsilon antibody (AA 156-168)



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3 Images

Overview

Quantity:	100 µg
Target:	CD3 epsilon (CD3E)
Binding Specificity:	AA 156-168
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide aa156-168 (ERPPPVPNPDYEP) from human CD3e
Isotype:	IgG
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 cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

Product Details

Cross-Reactivity (Details):	Predicted to react with Ape, Orangutan, Gibbon, Chimpanzee, Monkey, Elephant, Horse, Cow, Sheep, Pig, Dog, Cat, Rabbit, Rat, Mouse, Guinea Pig, Hamster, Opossum, Frog, Chicken.
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Target Details

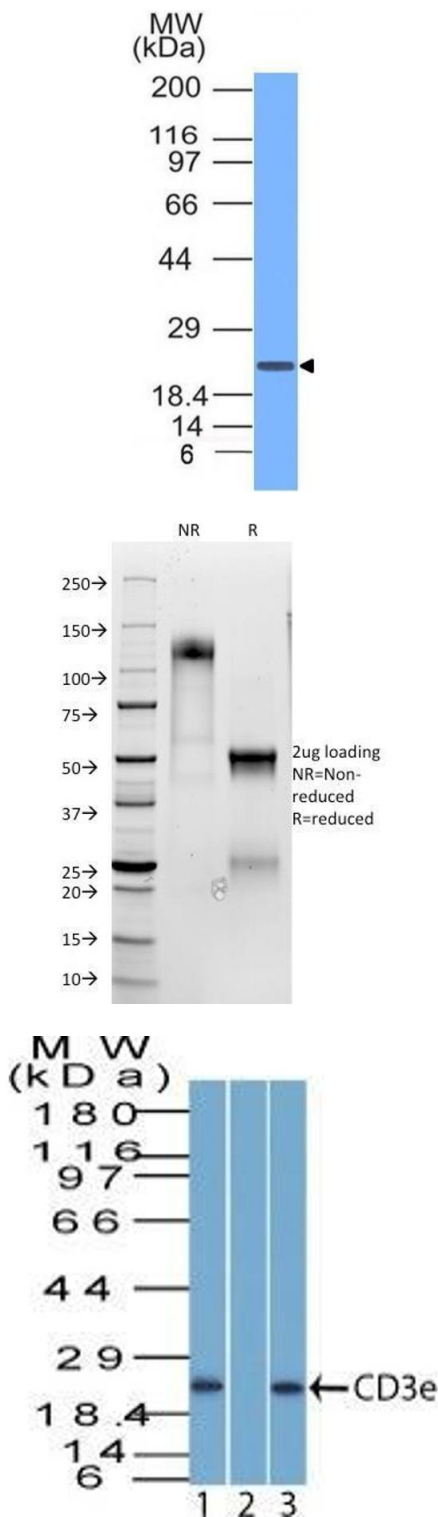
Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E (CD3E Products)
Molecular Weight:	20kDa
Gene ID:	916
UniProt:	P07766
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Positive Control: Jurkat cells. Tonsil and lymph node. Known Application: 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 of Jurkat cell lysate using CD3e Rabbit Polyclonal Antibody.

SDS-PAGE

Image 2. SDS-PAGE Analysis Purified CD3e Rabbit Polyclonal Antibody Confirmation of Purity and Integrity of Antibody.

Western Blotting

Image 3. Western blot of CD3e in human Jurkat cells (1) absence and (2) presence of immunizing peptide. (3) Mouse thymus probed with CD3e Rabbit Polyclonal Antibody.