

Datasheet for ABIN4949516

anti-CD3 epsilon antibody (Cytoplasmic Domain)[Go to Product page](#)**2** Images

Overview

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

Product Details

Immunogen:	Amino acids 156-168 (cytoplasmic domain) from human CD3 epsilon chain were used as the immunogen for the CD3e antibody.
Clone:	PC3-188A
Isotype:	IgG1
Purification:	Protein G affinity chromatography

Target Details

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3e (CD3E Products)

Target Details

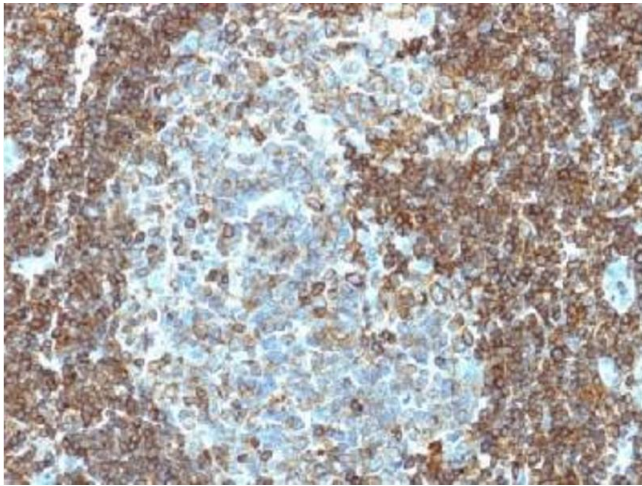
Background:	Recognizes the epsilon chain of CD3, a protein which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28 kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). 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.
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal dilution of the CD3e antibody should be determined by the researcher.\. WB: 1-2 µg/mL,IHC (FFPE): 1-2 µg/mL for 30 min at RT,Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL
Restrictions:	For Research Use only

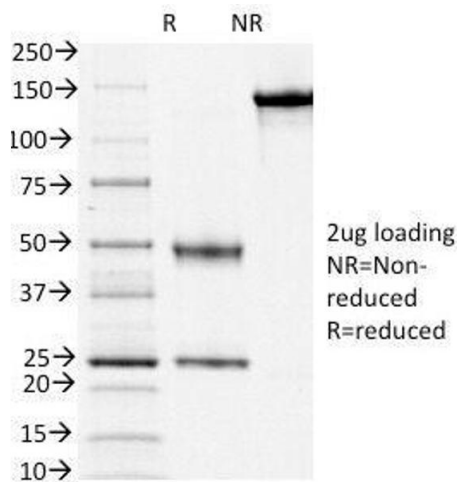
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the CD3e antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry

Image 1. IHC testing of human tonsil tissue with CD3e antibody (clone PC3/188A). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min.



SDS-PAGE

Image 2. SDS-PAGE Analysis of Purified, BSA-Free CD3e Antibody (clone PC3/188A). Confirmation of Integrity and Purity of the Antibody.