

Datasheet for ABIN7428527

anti-CD3 epsilon antibody (AA 28-185)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	CD3 epsilon (CD3E)
Binding Specificity:	AA 28-185
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Monoclonal Antibody to T-Cell Surface Glycoprotein CD3 Epsilon (CD3e)
Immunogen:	Recombinant T-Cell Surface Glycoprotein CD3 Epsilon (CD3e) corresponding to Met28~Asn185 with N-terminal His Tag
Clone:	C10
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against CD3e. It has been selected for its ability to recognize CD3e in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

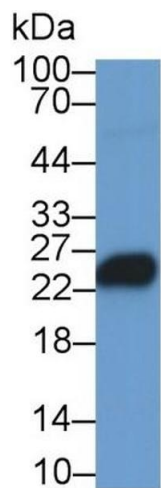
Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3e (CD3E Products)
Background:	T3E, TCRe, CD3-E Molecule,Epsilon(CD3-TCR Complex), T-cell surface antigen T3/Leu-4 epsilon chain
UniProt:	P07766
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Western blotting: 0.01-3 µg/mL,Immunohistochemistry: 5-20 µg/mL,Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

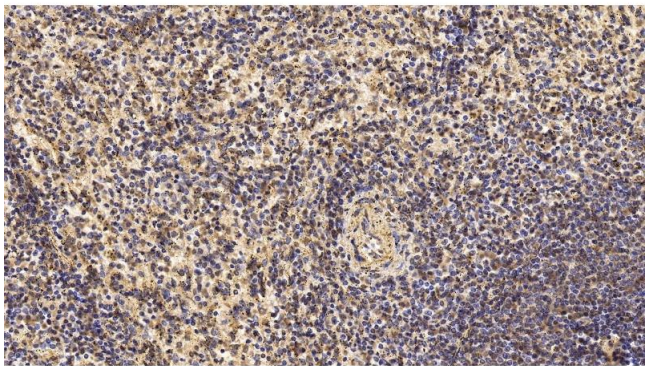
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of CD3e in Jurkat cell lysate using Monoclonal Antibody to T-Cell Surface Glycoprotein CD3 Epsilon (CD3e)



Immunohistochemistry

Image 2. Detection of CD3e in Human Spleen Tissue using Monoclonal Antibody to T-Cell Surface Glycoprotein CD3 Epsilon (CD3e)