

### Datasheet for ABIN5539697

# anti-CD3 epsilon antibody (Internal Region)





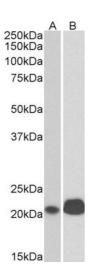
#### Overview

Overview	
Quantity:	100 μg
Target:	CD3 epsilon (CD3E)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	

Purpose:	CD3E (cytoplasmic)
Sequence:	RKGQRDLYSG LNQR
Isotype:	IgG
Specificity:	This antibody is designed to recognize the cytoplasmic domain (aa153-207) of the protein.
Cross-Reactivity:	Human, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## **Target Details**

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E
Background:	CD3E, CD3e molecule, epsilon (CD3-TCR complex), IMD18, T3E, TCRE, CD3-epsilon, CD3e antigen, epsilon polypeptide (TiT3 complex), T-cell antigen receptor complex, epsilon subunit of T3, T-cell surface antigen T3/Leu-4 epsilon chain, T-cell surface glycopro
Gene ID:	916, 315609
NCBI Accession:	NP_000724
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway
Application Details	
Application Notes:	Western Blot: Approx 22 kDa band observed in lysates of cell lines Jurkat and Molt4 (calculated MW of 23.1 kDa according to NP_000724.1). Recommended concentration: 0.1-0.3 μg/mL. Primary incubation was 1 hour. This antibody has been successfully used in WB Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	<b>Additional validation:</b> This antibody has been successfully used in the following paper: Sikorsk et al. (2018) PMID: 30377371.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



#### **Western Blotting**

**Image 1.** ABIN5539697 (0.1μg/ml) staining of Jurkat (A) and Molt4 (B) lysates (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.