

Datasheet for ABIN1715134
anti-CD3 epsilon antibody (AA 11-100)



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2 Publications

Overview

Quantity:	100 µL
Target:	CD3 epsilon (CD3E)
Binding Specificity:	AA 11-100
Reactivity:	Human, Mouse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from pig CD3E
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig
Purification:	Purified by Protein A.

Target Details

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

Target Details

Background:	Synonyms: CD3, T-cell surface glycoprotein CD3 epsilon chain, CD3e Background: The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008].
Gene ID:	397455
UniProt:	Q7YRN2
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Zhang, Liu, Xu, Jiang, Zhang, Shi, Chen, Liu, Gu, Zhu, Wu: "Pathophysiology of chronic pancreatitis induced by dibutyltin dichloride joint ethanol in mice." in: **World journal of gastroenterology**, Vol. 22, Issue 10, pp. 2960-70, (2017) ([PubMed](#)).

Takeuchi, Niki, Matsunari, Umeyama, Nagashima, Enomoto, Toyama, Matsumoto, Nakamura et al.: "Temporal Changes in Cellular Repopulation and Collagen Fibril Remodeling and Regeneration After Allograft Anterior Cruciate Ligament Reconstruction: An Experimental Study Using Kusabira-Orange ..." in: **The American journal of sports medicine**, Vol. 44, Issue 9, pp. 2375-83, (2016) ([PubMed](#)).