# antibodies -online.com





# anti-CD3 epsilon antibody (AA 23-207)





# Overview

Quantity:	100 μg
Target:	CD3 epsilon (CD3E)
Binding Specificity:	AA 23-207
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

# **Product Details**

Purpose:	Mouse monoclonal antibody raised against a full length recombinant CD3E.
Immunogen:	CD3E (AAH49847.1, 23 a.a. $\sim$ 207 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	DGNEEMGGIT QTPYKVSISG TTVILTCPQY PGSEILWQRN DKNIGGDEDD KNIGSDEDHL SLKEFSELEQ SGYYVCYPRG SKPEDANFYL YLRARVCENC MEMDVMSVAT IVIVDICITG GLLLLVYYWS KNRKAKAKPV TRGAGAGGRQ RGQNKERPPP VPNPDYEPIR KGQRDLYSGL NQRRI
Clone:	4C1
Isotype:	lgG2a
Cross-Reactivity:	Human

# **Product Details**

Characteristics:

Antibody Reactive Against Recombinant Protein.

# **Target Details**

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E (CD3E Products)
Background:	Full Gene Name: CD3e molecule, epsilon (CD3-TCR complex) Synonyms: FLJ18683,T3E,TCRE
Gene ID:	916
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway

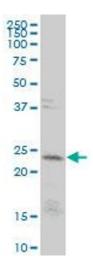
# **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

# Handling

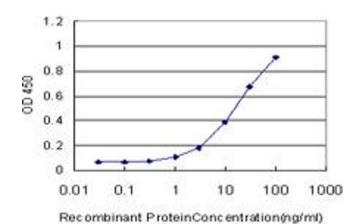
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# **Images**



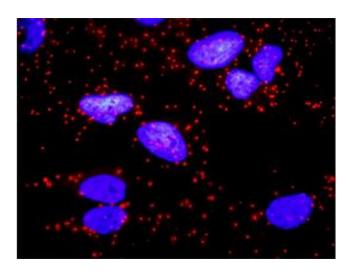
# **Western Blotting**

**Image 1.** CD3E monoclonal antibody (M04), clone 4C1 Western Blot analysis of CD3E expression in HeLa.



### **ELISA**

**Image 2.** Detection limit for recombinant GST tagged CD3E is approximately 1ng/ml as a capture antibody.



# **Proximity Ligation Assay**

**Image 3.** Proximity Ligation Analysis of protein-protein interactions between CD247 and CD3E. HeLa cells were stained with anti-CD247 rabbit purified polyclonal 1:1200 and anti-CD3E mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN514135.