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Datasheet for ABIN7538171

CD3 epsilon Protein (CD3E) (AA 22-117) (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	CD3 epsilon (CD3E)
Protein Characteristics:	AA 22-117
Origin:	Cynomolgus
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD3 epsilon protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Cynomolgus CD3E protein with C-terminal human Fc tag
Specificity:	CD3E (Gln22-Asp117) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E (CD3E Products)
Background:	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-

Target Details

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]

Molecular Weight: predicted molecular mass of 37.0 kDa after removal of the signal peptide. The apparent molecular mass of cCD3E-hFc is 35-55 kDa due to glycosylation.

UniProt: [Q95LI5](#)

Pathways: [TCR Signaling](#), [CXCR4-mediated Signaling Events](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

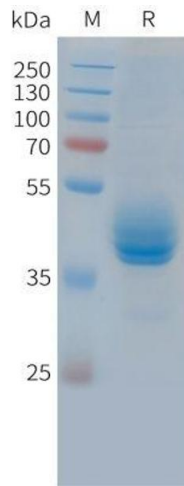
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Cynomolgus CD3E Protein, hFc Tag on SDS-PAGE under reducing condition.