

Biotinylated Human CD3E (C-Fc-Avi)

Catalog # EPT267

Expression Host Human Cells

DESCRIPTION Biotinylated Recombinant Human T-cell Surface

Glycoprotein CD3 Epsilon Chain is produced by our

Mammalian expression system and the target gene

encoding Asp23-Asp126 is expressed with a Fc, Avi tag

at the C-terminus.

Accession P07766

Synonyms T-Cell Surface Glycoprotein CD3 Epsilon Chain; T-Cell

Surface Antigen T3/Leu-4 Epsilon Chain; CD3e; CD3E;

T3E

Mol Mass 40.5 KDa

AP Mol Mass 45-60 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL

test.

FORMULATION Lyophilized from a 0.2 µm filtered solution of PBS, pH



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7.4.

RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

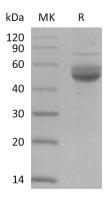
BACKGROUND

T-Cell Surface Glycoprotein CD3 ε Chain (CD3ε) is a single-pass type I membrane protein. CD3ε contains 1 Ig-like (immunoglobulin-like) domain and 1 ITAM domain. CD3ε is a polypeptide encoded by the CD3E gene on chromosome 11 in humans. The T cell





receptor-CD3 complex (TCR/CD3 complex) is involved in T-cell development and several intracellular signal-transduction pathways. This complex is critical for T-cell development and function, and represents one of the most complex transmembrane receptors. The T cell receptor-CD3 complex is unique in having ten cytoplasmic immunoreceptor tyrosine-based activation motifs (ITAMs). TCR/CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.



SDS-PAGE

