

Product Information

MemDX™ Membrane Protein Human CD3E (CD3e molecule) with C-His tag for Antibody

Discovery

Cat. No.: **MP1312J**

This product is for research use only and is not intended for diagnostic use.

This product is a 22.7 kDa Human CD3E membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD3E

Protein Length

Full-length

Protein Class

Druggable Genome, Protease, Transmembrane

Molecular Weight

22.7 kDa

TMD

1

Sequence

MQSGTHWRVLGLCLLSVGWVGQDGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQHNDKNIGGDE
DDKNIGSDEDHLSLKEFSELEQSGYYVCYPRGSKPEDANFYLYLRARVCENCMEMDVMSVATIVIVDICI
TGGLLLLVEYYWSKNRKAKAKPVTRGAGAGGRQGRQNKERPPVPNPDYEPKRGQRDLYSGLNQRRRI

Product Description

Expression Systems

HEK293

Tag

C-His

Form

Liquid

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

1 x PBS, pH7.4, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CD3E

Full Name

CD3e molecule

Introduction

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.

Alternative Names

T3E; TCRE; IMD18; CD3-epsilon; CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell antigen receptor complex, epsilon subunit of T3

Gene ID

[916](#)

UniProt ID

[P07766](#)