

Rev03
 Update: Aug,08,2025

DATASHEET

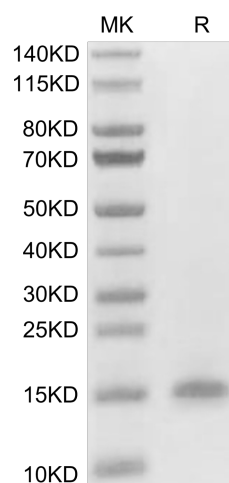
CD3D/CD3 delta, His, Human

Cat. No.: Z04006

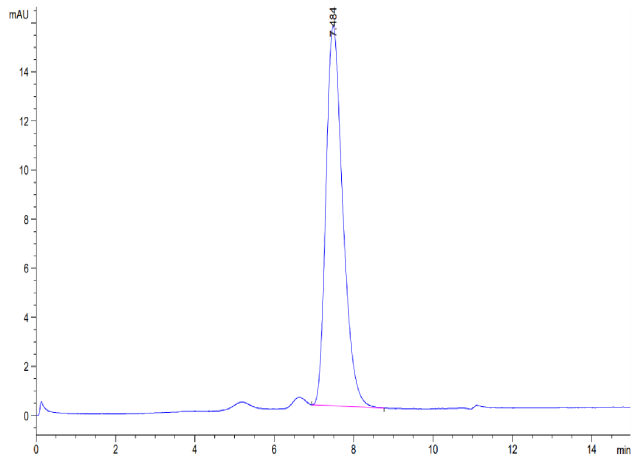
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CD3D/CD3 delta (Phe22-Ala105) Accession # P04234-1 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	10.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 15 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



CD3D/CD3 delta, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of CD3D/CD3 delta, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : T-cell surface glycoprotein CD3 delta chain, also known as CD3D, is a single-pass type I membrane protein. In immunology, the CD3 (cluster of differentiation 3) T cell co-receptor helps to activate both the cytotoxic T cell (CD8 naive T cells) and also T helper cells (CD4 naive T cells). It consists of a protein complex and is composed of four distinct chains. In mammals, the complex contains a CD3 γ chain, a CD3 δ chain, and two CD3 ϵ chains.

Synonyms : CD3d; CD3D; CD3-DELTA; T3D; CD3 delta; T3DOKT3; CD3-DELTA; IMD19

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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