



Datasheet for ABIN7320951 CD3D Protein (His tag)



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1 Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | CD3D |
| Origin: | Cynomolgus |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD3D protein is labelled with His tag. |

Product Details

| | |
|------------------|--|
| Purpose: | Recombinant Cynomolgus CD3d/CD3 delta Protein (His Tag) |
| Sequence: | Phe22-Ala105 |
| Characteristics: | Recombinant Cynomolgus CD3d is produced by our Mammalian expression system and the target gene encoding Phe22-Ala105 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 85 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

| | |
|-------------------|---|
| Target: | CD3D |
| Alternative Name: | CD3d/CD3 delta (CD3D Products) |
| Background: | Background: T-cell surface glycoprotein CD3 delta chain (CD3D) is a single-pass type I membrane protein. CD3D, together with CD3-gamma, CD3-epsilon and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. |

Target Details

CD3 chains are present as CD3gammaepsilon, deltaepsilon, and zetazeta dimers in the receptor complex and play critical roles in the antigen receptor assembly, transport to the cell surface, and the receptor-mediated signal transduction. T cell receptor-CD3 complex plays an important role in coupling antigen recognition to 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). CD3D contains 1 ITAM domain and has been shown to interact with CD8A.

Synonym: T-cell surface glycoprotein CD3 delta chain, T-cell receptor T3 delta chain, CD3d, CD3D

Molecular Weight: 10.4 kDa

UniProt: [Q95L18](#)

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

Application Details

Restrictions: For Research Use only

Handling

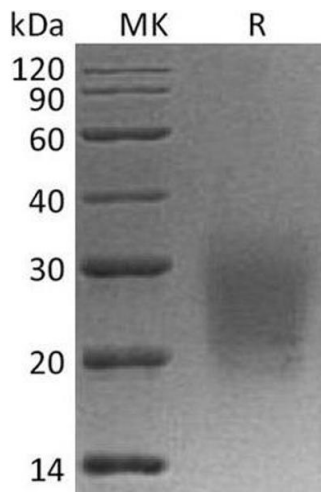
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.