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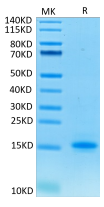
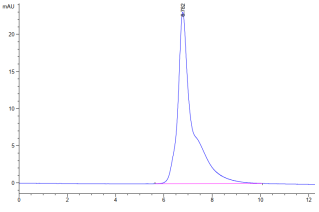
Recombinant Cyn. monkey CD3E protein, C-His (HEK293)

Catalog Number:	bs-47074P
Concentration:	＞0.5 mg/ml
AA Seq:	22-117/198
Detected MW:	Due to glycosylation, the protein migrates to 14-16 kDa based on Tris-Bis PAGE result.
Tags:	C-His
Activity:	Not tested
Endotoxin:	<1.0 EU/μg as determined by LAL
Purity:	>95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	CD3e molecule, epsilon is also known as CD3E, is a T-cell surface single-pass type I membrane glycoprotein. CD3E contains 1 Ig-like (immunoglobulin-like) domain and 1 ITAM domain. CD3E, together with CD3-gamma, CD3-delta and CD3-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. CD3E plays an essential role in T-cell development, and defects in CD3E gene cause severe immunodeficiency. CD3E gene has also been linked to a susceptibility to type I diabetes in women. CD3E has been shown to interact with TOP2B, CD3EAP and NCK2.

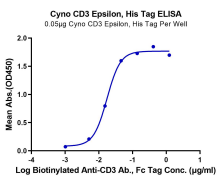
VALIDATION IMAGES



Cynomolgus CD3 Epsilon on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Cynomolgus CD3 Epsilon is greater than 95% as determined by SEC-HPLC.



Immobilized Cyno CD3 epsilon,His Tag at 1μg/ml (100μl/Well). Dose response curve for Anti-CD3 Ab. with the EC50 of 0.2μg/ml determined by

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

ELISA.

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