

Rev02
 Update: Aug,08,2025

DATASHEET

TNFR1/CD120a/TNFRSF1A, His, Cynomolgus

Cat. No.: Z04928

Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> TNFR1/CD120a/TNFRSF1A (Leu30-Thr211) Accession # A0A7N9CVF2 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized TNFR1/CD120a/TNFRSF1A, His, Cynomolgus at 2µg/ml (100µl/well) on the plate can bind Biotinylated Human TNF alpha, His Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	21.62 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 32-42 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm 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.

Background

Target Background : Tumour necrosis factor alpha (TNF-α) is a pleiotropic cytokine with both injurious and protective functions, which are thought to diverge at the level of its two cell surface receptors, TNFR1 and TNFR2. In the setting of acute injury, selective inhibition of TNFR1 is predicted to attenuate the cell death and inflammation associated with TNF-α, while sparing or potentiating the protective effects of TNFR2 signalling.

Synonyms : TNF-R1; TNF-RI; FPF; TBP1; TNF-R55; TNFAR; TNFR60; p55; p60; MS5; p55-R; TNFR1-d2

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

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