

Rev02
 Update: Aug,08,2025
DATASHEET

4-1BB/TNFRSF9, His, Cynomolgus/Rhesus macaque

Cat. No.: Z04942

Product Introduction

Species	Cynomolgus/Rhesus macaque
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 10px;"> 4-1BB/TNFRSF9 (Leu24-Gln186) Accession # XP_005544945.1 </div> <div style="background-color: #76b82a; color: white; padding: 5px; 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 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 4-1BB/TNFRSF9, His, Cynomolgus/Rhesus macaque at 0.2µg/ml (100µl/Well) on the plate can bind Cynomolgus 41BB Ligand, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	18.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 30-40 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 : 4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, B cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation.

Synonyms : CD137; TNFRSF9; 4-1BB ligand receptor; 41BB; 4-1BB; CDw137; FLJ43501; ILA; T cell antigen ILA

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

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