Data Sheet (Cat.No.TMPJ-00140)

4-1BB/CD137/TNFRSF9 Protein, Cynomolgus, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	CD137;CDw137;4-1BB ligand receptor;ILA;T-cell antigen ILA;TNFRSF9;T-cell antigen 4-1BB homolog
Protein Construction:	Leu24-Gln186
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A9YYE7
Molecular Weight:	25-38 kDa (reducing condition)
AA Sequence:	Leu24-Gln186

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tumor necrosis factor receptor superfamily member 9(TNFRSF9) is an inducible T cell surface protein belonging to the TNF receptor superfamily. It is a single-pass type I membrane protein which contains 4 TNFR-Cys repeats. The human and mouse proteins share 60% amino acid sequence identity. It is absent from naive T cells, but upregulated and continually expressed following T cell activation. It is a receptor for TNFSF9/4-1BBL, and possibly active during T cell activation.

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