

Version :04
Update : 05/08/2023

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	4-1BB/CD137/TNFRSF9, Human
Cat. No.:	Z02933
Lot No.:	M2207030
Size:	Specified on product label
Formulation:	Lyophilized from a 0.2 μ m filtered solution in 10 mM PB, pH 8.0, 150 mM NaCl.
Reconstitution:	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Stability & Storage:	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Quality Control

Test Items	Specifications	Results
Appearance	White Freeze-dried Powder	Pass
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC	Pass
Endotoxin Level	< 1 EU/ μ g of protein by LAL method	Pass
Biological Activity	Fully biologically active when compared to standard. The biological activity is determined by its inhibitory effect of IL-8 production using human peripheral blood mononuclear cells. About 90 % of inhibition was seen using a concentration of 1.0 μ g for both 4-1BB Ligand and 4-1BB Receptor.	Pass

Date: 05/24/2023

Approved by: *Dandan Yao*

Quality Department

For research use only. Not intended for human and animal therapeutic or diagnostic use.

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

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