

Version :03
Update : 05/15/2022

CERTIFICATE OF ANALYSIS

Product Information

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|----------------------|---|
| Product Name: | 4-1BB/CD137/TNFRSF9, hFc, Human |
| Cat. No.: | Z03382 |
| Lot No.: | B60051812 |
| Size: | Specified on product label |
| Formulation: | Lyophilized from a 0.2 µm filtered solution in PBS. |
| 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 ddH ₂ O or PBS up to 100 µg/ml. Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles. |
| Stability & Storage: | |

Quality Control

| Test Items | Specifications | Results |
|---------------------|---|---------|
| Appearance | White Freeze-dried Powder | Pass |
| Purity | > 95% as analyzed by SDS-PAGE | Pass |
| Endotoxin Level | < 0.2 EU/µg of protein by gel clotting method | Pass |
| Biological Activity | Measured by its binding ability in a ligand-receptor binding ELISA. When recombinant 4-1BB/CD137/TNFRSF9, hFc, Human is Immobilized at 1.0 µg/ml (100 µl/well), the concentration of recombinant human 4-1BB Ligand that produces 50% optimal binding response is found to be approximately 5.0-15.0 ng/ml. | Pass |

Date: 06/23/2022

Approved by: *Dandan Yao*

Quality Department

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

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