

Version 02

Update: 06/07/2021

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name:	CD40L/CD154/TRAP, Human
Cat. No.:	Z02022
Lot No.:	M2112060
Storage Condition:	Lyophilized recombinant human CD40 Ligand (CD40L/CD154/TRAP) although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CD40L should be stored at 4°C between 2-7 days and for future use below -18°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

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### Quality Results

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Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
HPLC Purity	> 95%	Conformed
Biological Activity	5-10 ng/ml	Conformed
Molecular Weight	16.3±1.6 KDa	Conformed
Bacterial Endotoxin	< 1.0 EU/μg	Conformed

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### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188

**Certified by:** Dandan Yao **Date:** 12/28/2021

### Quality Department

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*