

Version 1.1

Update: 12/27/2019

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	TNF- α , Rat
Cat. No.:	Z02999
Lot No.:	P50312003
Storage Condition:	Lyophilized recombinant rat Tumor Necrosis Factor-Alpha (rrTNF-Alpha) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rrTNF-Alpha should be stable up to 2 weeks at 4°C or up to 3 months at -20°C .

Quality Results

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Biological Activity(ED ₅₀)	< 50 pg/ml	Conformed
Molecular Weight	17.4 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/ μg	Conformed

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: *Xianli Yang*

Date: 03/25/2020

Quality Department

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