

Certificate of Analysis

Product Name	Recombinant Human TNF- α	Batch No.	20250901
Cat. No.	Y04401	Storage Conditions	$\leq -20^{\circ}\text{C}$
Manufacturing Date	2025.09.01	Expiration Date	2028.08.31
Testing Basis	Specification for Recombinant Human TNF- α		
Testing Parameters	Quality Specification	Testing Result	Result Judgment
Appearance	White powder,clear colorless liquid after resolution	White powder,Clear colorless liquid after resolution	Compliance
pH	7.0 - 8.0	7.4	Compliance
Protein Concentration	9.0 - 11.0 μg	10.6 μg	Compliance
Hydration	$\leq 2.5\%$	1.5%	Compliance
Purity (SDS-PAGE)	$\geq 95.0\%$	97.9%	Compliance
Relative Bioactivity	The relative biological activity should be 70%-130% comparison to standard reference	112%	Compliance



Jiangsu East-Mab Biomedical Technology Co.,Ltd.

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Testing Parameters	Quality Specification	Testing Result	Result Judgment
Bacterial Endotoxin	≤ 10.0 EU/mg	≤ 10.0 EU/mg	Compliance
Sterility Test	Compliance	Compliance	Compliance
Conclusion	Compliance		

MAK

Reported by / Date:

Jiang Li 2025.09.21

Checked by / Date:

Jing Meng 2025.09.21

Approved by QA / Date:

Yanning Zhou 2025.09.21

