

CHAMOT

Recombinant TNF alpha, Human, GMP

CM046-100HPG
CM046-1000HPG



CHAMOT

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Recombinant TNF alpha (Tumor necrosis factor alpha), Human, GMP

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| 编号: | CM046-100HPG CM046-1000HPG | 规格: | 100 µg 1 mg |
| 类别: | 重组蛋白 | 应用: | Functional Assay |

产品简介

描述: Tumor necrosis factor alpha (TNF alpha) is a kind of pleiotropic pro-inflammatory cytokine. It is secreted by various cells, such as adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. Proteolysis of the integral membrane precursor form of TNF alpha from cells soluble can release homotrimeric TNF alpha. TNF alpha can bind with some TNF alpha receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF alpha participate in the inflammatory response.

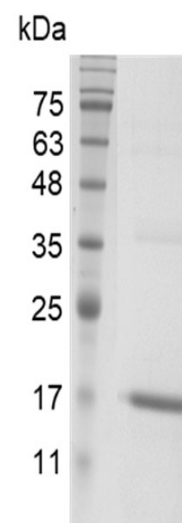
来源: *Escherichia coli*.
Animal-free reagent and laboratory.
Manufactured and tested under GMP guideline.

纯度: >97% as determined by SDS-PAGE analysis.

生物学活性: Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED₅₀ for this effect is < 0.1 ng/mL. The specific activity of recombinant human TNF alpha GMP is approximately 1 x 10⁷ IU /mg, which is calibrated against the human TNF Alpha WHO International Standard (NIBSC code: 12/154).

内毒素检测: <0.05 EU per 1 µg of the protein by the LAL method.

蛋白序列: MVRSSSRTPSDKPVAHVVANPQAEGQLQWL
NRRANALLANGVELRDNQLVVPSEGLYLIYSQ



SDS-PAGE analysis of recombinant TNF alpha, Human, GMP

VLFGKGQGPCSTHVLLTHTISRIAVSYQTKVNLLS
AIKSPCQRETPEGAEAKPWYEPIYLGGVFQLEK
GDRLSAEINRPDYLDFAESGQVYFGIIAL with
polyhistidine tag at the C-terminus.

产品组成

成分: 从含有 1X PBS, pH 8.0 溶液中冻干的蛋白质,
无任何动物源性成分.

产品储存

储存: -20°C冻干粉保存 1 年.
运输: 蓝冰.

产品使用

- 1、开盖前, 建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉, 溶液浓度不低于500µg/mL, 并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液, 2-8无菌保存不超过1周。
- 4、如需长期保存, 推荐使用无菌的含载体蛋白(如0.1%BSA、10%FBS 或5%HSA)的溶液进一步稀释(不低于10ug/mL)后分装保存, -20至-80无菌保存3到6个月。无血清实验需求时, 可更换为 5%海藻糖溶液作为载体。避免反复冻融。

产品规范

CHAMOT GMP recombinant proteins are manufactured in ISO 13485:2016 and GMP certified facility.
The processes include:

- ★Testing and traceability of raw material
- ★Records of the maintenance and equipment calibration
- ★Personnel training records
- ★Batch-to-batch consistency
- ★Documentation of QA control and process changes
- ★Manufactured and tested under an ISO 13485:2016 certified quality management system
- ★Stability monitor of product shelf-life

WB=Western Blot; IP=Immunoprecipitation; IF=Immunofluorescence; IHC=Immunohistochemistry;
FACS=Fluorescence activated Cell Sorting; FA=Functional Assay