

Recombinant Human CD40 Ligand, Tag Free

■ 基本信息

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| 别称 | CD40LG, CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39. |
| Gene ID | 959 |
| Accession # | P29965-1 |
| 蛋白序列 | Met 113-Leu 261 |
| 分子量 | 16.19 kDa |
| 来源 | 293T 细胞 |
| 生物活性 | 以下数据来自于小鼠CTLL-2细胞的剂量依赖性实验: ED50: < 0.1 ng/mL 放射性比度: > 1x10 ⁷ units/mg. |

■ 组分和存储

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|------|---|
| 产品形式 | 该蛋白以溶解于 PBS 缓冲液的形式提供。 |
| 存储说明 | 此产品可稳定存在于如下条件中: <ul style="list-style-type: none">• 4°C 保存一周;• -20°C 保存 3 个月。 请避免多次反复冻融。 |

■ 质量控制

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|-------|---------------------------------|
| 纯度 | ≥ 95%，数据来自于 SDS-PAGE 和 HPLC 检测。 |
| 内毒素水平 | < 0.1 ng/μg |

详细 QC 信息请参阅 CoA。

■ 背景介绍

The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other

functions such as cell adhesion. CD154, also known as CD4 ligand or CD4L, is a member of the TNF superfamily. While CD154 was originally found on T cell surface, its expression has since been found on a wide variety of cells, including platelets, mast cells, macrophages and NK cells. CD154's ability is achieved through binding to the CD4 on antigen- presenting cells (APC). In the macrophage cells, the primary signal for activation is IFN- γ ; from Th1 type CD4 T cells. The secondary signal is CD4L on the T cell, which interacting with the CD4 molecules, helping increase the level of activation.

参考文献

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