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重组犬细胞毒性T淋巴细胞相关蛋白4 /Recombinant CTLA-4, Canine, HEK293, Animal-Free

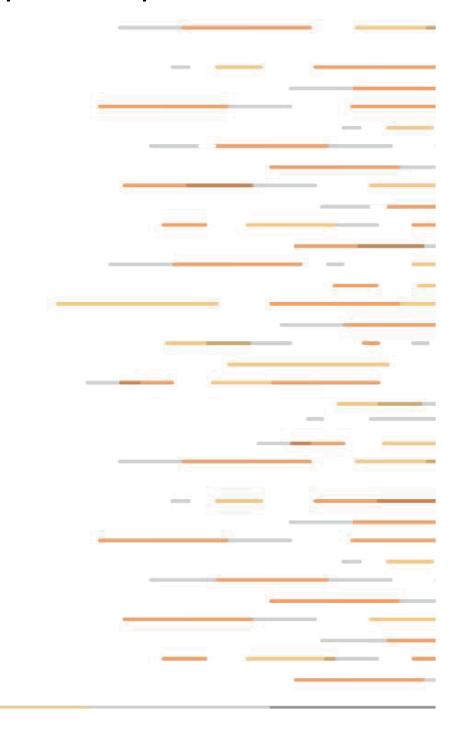
CM002-5CP

CM002-20CP

CM002-100CP

CM002-500CP

CM002-1000CP





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Product Datasheet

重组犬细胞毒性T淋巴细胞相关蛋白4 /Recombinant CTLA-4, Canine, HEK293, Animal-Free

产品编号	CM002-5CP	CM002-20CP	CM002-100CP	CM002-500CP	CM002-1000CP
规格	5 μg	20 μg	100 µg	500 μg	1 mg

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背景描述

CTLA-4 is a protein belonging to the immunoglobulin superfamily and the CD28 receptor family. It interacts with CD80 (B7-1) and CD86 (B7-2) to transmit inhibitory signals to T cells, in contrast to CD28, which sends stimulatory signals. This receptor is also found within regulatory T cells, where it plays a vital role in their functions. CTLA-4 is a key regulator of T cell activation, making it an appealing candidate for autoimmune disease therapy and cancer immunotherapy. Recent evidence further highlights its importance in the function and balance of regulatory T cells (Treg).

别称 CD152

蛋白编码 NP_001003106.1

The protein has a calculated MW of 14 kDa. The protein migrates as 18-23 kDa uder

reducing condition (SDS-PAGE analysis).

表达系统 HEK293 cell

纯度 >90% as determined by SDS-PAGE analysis.

生物活性 Testing in process

内毒素检测 <0.1 EU per 1 μg of the protein by the LAL method.

A DNA sequence encoding Canine CTLA-4 Protein (#NP_001003106.1)(Lys36-

Asp161) was expressed with polyhistidine tag at the C-terminus.

The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH

7.4. If you have any concerns or special requirements, please confirm with us.

产品应用 Cell Culture

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2.Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 μg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

• Store at 2°C to 8°C for up to 1 week.

3.Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than $10~\mu g/ml$.
- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存 Initial Reconstitution:

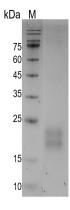
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or

stabilizer.

运输 Blue Ice

实验数据展示



SDS-PAGE analysis of recombinant canine CTLA-4

For Research Use or Further Manufacturing Only

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