

CHAMOT

重组小鼠白细胞介素1受体拮抗剂 /Recombinant IL-1RA, Mouse, Animal-Free

CM022-5MP

CM022-20MP

CM022-100MP

CM022-500MP

CM022-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组小鼠白细胞介素1受体拮抗剂 /Recombinant IL-1RA, Mouse, Animal-Free

产品编号	CM022-5MP	CM022-20MP	CM022-100MP	CM022-500MP	CM022-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 1 receptor antagonist (IL-1RA) predicts a molecular mass of 19.8 kDa, is a member of the IL-1 family that binds to IL-1 receptors but does not induce any intracellular response. Two structural variants of IL-1RA have previously been described: a 17 kDa form that is secreted from monocytes, macrophages, neutrophils, and other cells (sIL-1RA) and an 18 kDa form that remains in the cytoplasm of keratinocytes and other epithelial cells, monocytes, and fibroblasts (icIL-1RA).

别称

interleukin 1 receptor antagonist, ICIL-1RA, IRAP, IL-1RN, F630041P17Rik, IL1RA

蛋白编码

P25085

分子量

The protein has a calculated MW of 18.27 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>98% as determined by SDS-PAGE.

生物活性

Measure by its ability to inhibit IL-1 alpha -dependent proliferation in D10.G4.1 cells. The ED₅₀ for this effect is <50 ng/mL.

内毒素检测

<0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列

MRPSGKR PCKMQAFRIWDTNQT FYLRNNQLIAGYLQGPNIKLEEKIDMVPIDLHSVFLGIHG
GKLCLSCAKSGDDIKLQLEEVNITDLSKNKEEDKRFTFIRSEKPTTSFESAACPGWFLCTTLEAD
RPVSLTNTPEEPLIVTKFYFQEDQ with polyhistidine tag at the C-terminus.

产品形式

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

产品使用

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.

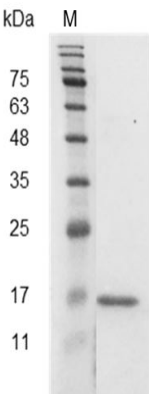
3.Extended Storage

- 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 µg/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

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



For Research Use or Further Manufacturing Only

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