

**PRODUCT:** Recombinant Guinea Pig IL-10

**CATALOG NUMBER:** 610005

**DESCRIPTION:**

**Expression Host:** HEK293

**Protein Sequence:** Genbank Acc# NM\_001260485 (S19 - N178)

**Tag:** C-terminal His(6x)

**SPECIFICATIONS:**

**Molecular Weight:** 19.4kDa, under reducing conditions. Protein may appear larger than predicted molecular weight due to glycosylation.

**Activity:** React with Guinea Pig anti-IL-10 antibodies

**Purity:** >90% by Coomassie Blue stained SDS-PAGE gels.

**PREPARATION AND STORAGE:**

**Concentration and Buffer:** As indicated on each product, PBS

**Preservative:** None, unless specified.

**Storage:** -70°C. Avoid multiple freeze-thaw cycles.

**BACKGROUND:**

IL-10 is originally named as Cytokine Synthesis Inhibitory Factor (CSIF) [1]. It is a pleiotropic cytokine primarily produced by monocytic cells and, to a lesser extent, by various lymphocytes [2]. It has immunoregulatory and anti-inflammatory functions, including stimulation of antibody production by B cells and inhibition of pro-inflammatory cytokine synthesis by activated monocytes/macrophages [1].

**COUNTRY OF ORIGIN:** USA

**NOTE:** For *in vitro* research use only. Not for diagnostic or therapeutic use.

**REFERENCES:**

- [1] K. W. Moore, R. de Waal Malefyt, R. L. Coffman, and A. O'Garra, "Interleukin-10 and the Interleukin-10 Receptor," *Annu. Rev. Immunol.*, vol. 19, no. 1, pp. 683–765, Apr. 2001, doi: 10.1146/annurev.immunol.19.1.683.
- [2] G. J. Laurent and S. D. Shapiro, *Encyclopedia of respiratory medicine*. Amsterdam: Boston Elsevier, 2006.