

Product: Rabbit anti-Guinea Pig IL-10 antibody

Catalog Number: 500039

Clone ID: RA0072

Antibody Clonality: Monoclonal

Host Species: Rabbit

Immunogen:

Production Method: Recombinant antibody expressed in HEK293 cells and purified with Protein A affinity chromatography.

Lot Number: As specified on each product

Size: 100 ug. Other sizes available upon request.

Concentration and Buffer: 0.5mg/ml in PBS, pH 7.4 unless otherwise stated.

Preservative: None unless specified.

Storage: 4°C. For long term storage (over two months), freeze in aliquots at -20 °C and avoid multiple freeze-thaw cycles.

Country of Origin: USA

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

Description:

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].

Recommended Usage:

For ELISA and Western Blot, 0.1ug/ml to 0.5ug/ml of rabbit monoclonal antibody is a good starting point. Optimal concentration of antibodies should be tested under individual experiment conditions.

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.