

Product: Rabbit anti-Guinea Pig IL-6 antibody

Catalog Number: 500029

Clone ID: RA0062

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-6 is a pleiotropic cytokine that plays important roles in the acute phase response, inflammation, metabolism and hematopoiesis [1] [2] . It also acts as an anti-inflammatory myokine and is highly upregulated in response to muscle contraction during exercise [3].

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] T. Tanaka, M. Narazaki, and T. Kishimoto, "IL-6 in Inflammation, Immunity, and Disease," *Cold Spring Harb. Perspect. Biol.*, vol. 6, no. 10, pp. a016295–a016295, Oct. 2014, doi: 10.1101/cshperspect.a016295.
- [2] A. Ghanemi and J. St-Amand, "Interleukin-6 as a 'metabolic hormone,'" *Cytokine*, vol. 112, pp. 132–136, Dec. 2018, doi: 10.1016/j.cyto.2018.06.034.
- [3] B. K. Pedersen and M. A. Febbraio, "Muscle as an endocrine organ: focus on muscle-derived interleukin-6," *Physiol. Rev.*, vol. 88, no. 4, pp. 1379–1406, Oct. 2008, doi: 10.1152/physrev.90100.2007.