

Product Data Sheet

Biotin anti-human IL-6

Catalog # / Size: 501201 / 50 µg
501202 / 500 µg

Clone: MQ2-39C3

Isotype: Rat IgG2a, κ

Immunogen: COS-7- expressed, recombinant human IL-6

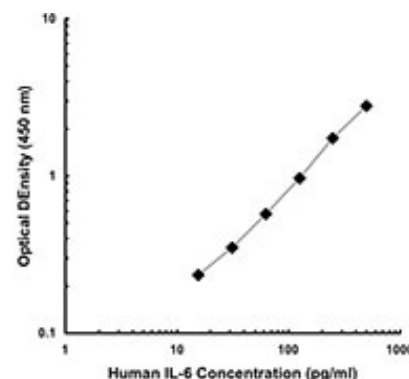
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Applications:

Applications: ELISA Detection, ELISPOT Detection - *Quality tested*
IF - *Validated*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA detection applications, a concentration range of 0.5-2.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-6 recombinant protein ranging from 1000 to 8 pg/ml are recommended for each ELISA plate. For use as an ELISPOT detection antibody, a concentration range of 1-4 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Detection¹⁻⁴:** The biotinylated MQ2-39C3 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with purified MQ2-13A5 antibody (Cat. No. 5001102/501110) as the capture antibody.
Additional reported applications (for the relevant formats) include: neutralization¹, Western blotting. The LEAF™ purified MQ2-13A5 antibody (Endotoxin **Note**: For testing human IL-6 in serum or plasma, BioLegend's ELISA Max™ Sets (Cat. No. 430501 to 430506) are specially developed and recommended.

Application References:

1. Abrams, J., *et al.* 1992. *Immunol. Rev.* 127:5.
2. Abrams, J. 1995. *Curr. Prot. Immunol.*. John Wiley and Sons, New York. Unit 6.20.
3. Gaines Das, R., *et al.* 1993. *J. Immunol. Meth.* 160:147.
4. Lesmeister, M. J., *et al.* 2005. *Reproductive Biology and Endocrinology* 3:74.

Description: IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survival of certain B cells and T cells. IL-6 plays a role in host defense, acute phase reactions, immune response, and hematopoiesis. IL-6 is expressed by T cells, B cells, monocytes, fibroblasts, hepatocytes, endothelial cells and keratinocytes. The MQ2-39C3 antibody can neutralize the bioactivity of natural or recombinant IL-6.

Antigen References:

1. Fitzgerald, K., *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press, San Diego.
2. Hirano, T. 1998. *Intl. Rev. Immunol.* 16:249.
3. Patterson, P. 1992. *Curr. Opin. Neurobiol.* 2:94.
4. Van Oers, M., *et al.* 1993. *Ann. Hematology* 66:219.

Related Products:

Product
LEAF™ Purified anti-human IL-6

Clone

MQ2-13A5

Application

ELISA Capture, ELISPOT
Capture, ICFC, IHC, Neut, WB,
CyTOF®
ELISA Capture, IHC, WB,
CyTOF®
BA, ELISA
ELISA, ELISPOT, IHC, WB
ELISA

Purified anti-human IL-6

MQ2-13A5

Recombinant Human IL-6

rh IL-6

HRP Avidin

Avidin

TMB Substrate Reagent Set



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ELISA Assay Diluent (5X)
Human IL-6 ELISA MAX™ Standard
Human IL-6 ELISA MAX™ Deluxe

ELISA
ELISA
ELISA



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