

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

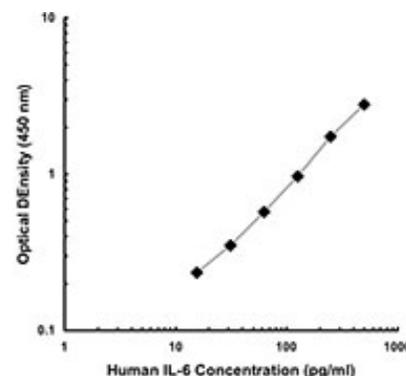
Reactivity: Human

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:

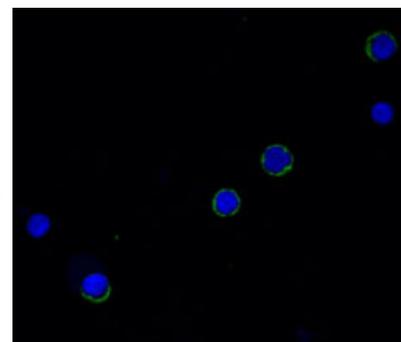
Applications: ELISA Detection, ELISPOT Detection - *Quality tested*
IF - *Validated*

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.



Human PBMCs, stimulated with 1 µg/ml of LPS for 8 h and treated with Brefeldin A during the last 4 h, were prepared by cytopsin, fixed and permeabilized on a slide and then treated with endogenous biotin blocking kit (Vector labs). Slides were stained with anti-human IL-6 biotin (clone MQ2-39C3) and DyLight™ 649 streptavidin (green) and counterstained with DAPI (blue). Images were acquired with an Olympus FV10i confocal microscope. Images courtesy of Teresa Rodriguez, Darius Schneider, and Matthias von Herrath, LaJolla Institute for Allergy and Immunology.

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®

Purified anti-human IL-6

MQ2-13A5

ELISA Capture, IHC, WB,
CyTOF®

Recombinant Human IL-6
HRP Avidin

rh IL-6
Avidin

BA, ELISA
ELISA, ELISPOT, IHC, WB
ELISA

TMB Substrate Reagent Set



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biollegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

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

ELISA
ELISA
ELISA



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587