

LEAF™ Purified anti-human IL-6

Catalog # / Size: 501109 / 50 µg
501110 / 500 µg

Clone: MQ2-13A5

Isotype: Rat IgG1, κ

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

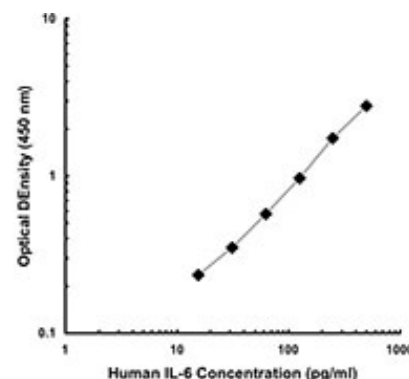
Reactivity: Human

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Applications:

Applications: ELISA Capture - *Quality tested*
ELISPOT Capture, Neut, ICFC, IHC, WB - *Reported in the literature*
CyTOF® - *Validated*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISPOT capture antibody, a concentration range of 2-8 µg/ml is recommended. For ELISA capture 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. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Capture**^{1-3,7}: The purified MQ2-13A5 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated MQ2-39C3 antibody (Cat. No. 501202) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture.
Neutralization^{1-3,5,6}: The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for neutralization of human IL-6 bioactivity (Cat. No. 501110). The MQ2-13A5 antibody can neutralize the bioactivity of natural or recombinant IL-6.

Application References:

- Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
- Abrams JS. 2001. *Curr. Protoc. Immunol.* Unit 6.20.
- Gaines Das R, *et al.* 1993. *J. Immunol. Methods* 160:147.
- Enriquez J, *et al.* 2002. *Adv. Perit Dial.* 18:177.
- Zou JP, *et al.* 1999. *J. Immunol.* 162:4882.
- Wyant TL, *et al.* 1999. *Infect. Immun.* 67:1338.
- Lesmeister MJ, *et al.* 2005. *Reprod. Biol. Endocrinol.* 3:74.
- Terasaka Y, *et al.* 2010. *Invest. Ophthalmol. Vis. Sci.* 51:2441. PubMed

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.

Antigen References:

- Fitzgerald, K., *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press, San Diego.
- Hirano T. 1998. *Int. Rev. Immunol.* 16:249.
- Patterson P. 1992. *Curr. Opin. Neurobiol.* 2:94.
- van Oers M, *et al.* 1993. *Ann. Hematol.* 66:219.

Related Products:

Product
Biotin anti-human IL-6

Recombinant Human IL-6

HRP Avidin

LEAF™ Purified Rat IgG1, κ Isotype Ctrl

Clone

MQ2-39C3

rh IL-6

Avidin

RTK2071

Application

ELISA Detection, ELISPOT
Detection, IF

BA, ELISA

ELISA, ELISPOT, IHC, WB

FC, ICFC, WB, IP, ICC, IF,
IHC, FA



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