

# Product Data Sheet

## Purified anti-human IL-6

**Catalog # / Size:** 501101 / 50 µg  
501102 / 500 µg

**Clone:** MQ2-13A5

**Isotype:** Rat IgG1, κ

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

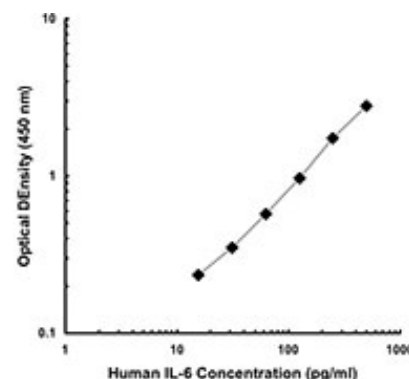
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**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.



## Applications:

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

**Recommended Usage:** Each lot of this antibody is quality control tested by ELISA assay. 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<sup>1,3,7</sup>:** 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<sup>1,3,5,6</sup>:** 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:**

1. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
2. Abrams JS. 2001. *Curr. Protoc. Immunol.* Unit 6.20.
3. Gaines Das R, *et al.* 1993. *J. Immunol. Methods* 160:147.
4. Enriquez J, *et al.* 2002. *Adv. Perit Dial.* 18:177.
6. Zou JP, *et al.* 1999. *J. Immunol.* 162:4882.
7. Wyant TL, *et al.* 1999. *Infect. Immun.* 67:1338.
8. Lesmeister MJ, *et al.* 2005. *Reprod. Biol. Endocrinol.* 3:74.
9. 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:**

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

Related Products:	Product	Clone	Application
	Biotin anti-human IL-6	MQ2-39C3	ELISA Detection, ELISPOT
	Recombinant Human IL-6	rh IL-6	Detection, IF
	HRP Avidin	Avidin	BA, ELISA
	TMB Substrate Reagent Set		ELISA, ELISPOT, IHC, WB
	ELISA Assay Diluent (5X)		ELISA
	Human IL-6 ELISA MAX™ Standard		ELISA
	Human IL-6 ELISA MAX™ Deluxe		ELISA



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