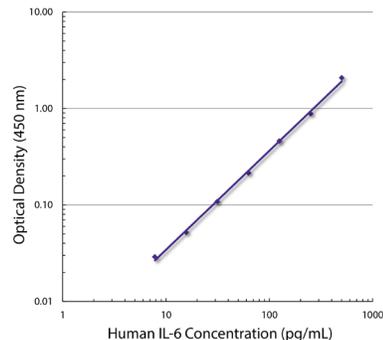




Rat Anti-Human IL-6

Cat. No.	Format	Size
10120-01	Purified (UNLB)	0.5 mg
10120-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



Standard curve generated with Rat Anti-Human IL-6-UNLB (SB Cat. No. 10120-01; Clone MQ2-13A5) and Rat Anti-Human IL-6-BIOT (SB Cat. No. 10121-08; Clone MQ2-39C3) followed by Streptavidin-HRP (SB Cat. No. 7100-05)

Overview

Clone	MQ2-13A5
Isotype	Rat IgG _{1κ}
Immunogen	COS-expressed human IL-6
Specificity	Human/Rhesus/Cynomolgus IL-6
Alternate Name(s)	Interleukin-6, hepatocyte stimulating factor, HSF, hepatocyte growth factor, HGF, B cell stimulating factor-2, BSF-2, BSF2, cytotoxic T cell differentiation factor, CDF, hybridoma/plasmacytoma growth factor, HPGF

Applications

ELISA-Capture – Quality tested ^{3,4}
 ELISA-Detection – Reported in literature ^{1,2}
 ELISPOT-Capture – Reported in literature ^{3,5}
 FC – Reported in literature ^{6,7}
 IP – Reported in literature ⁸
 Neut – Reported in literature ^{1,9}
 Multiplex-Capture – Reported in literature ¹⁰

Note – May be paired with the biotinylated clone MQ2-39C3 (SB Cat. No. 10121-08) in a sandwich ELISA

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 5 µg/mL
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Reagents are stable for the period shown on the label if stored as directed.

References

1. Abrams JS, Roncarolo M, Yssel H, Andersson U, Gleich GJ, Silver JE. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev.* 1992;127:5-24. (ELISA-Detection, Neut)
2. Abrams JS. Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies. *Curr Protoc Immunol.* 2001;6.20:1-15. (ELISA-Detection)
3. Mäkitalo B, Andersson M, Areström I, Karlén K, Villinger F, Ansari A, et al. ELISpot and ELISA analysis of spontaneous, mitogen-induced and antigen-specific cytokine production in cynomolgus and rhesus macaques. *J Immunol Methods.* 2002;270:85-97. (ELISA-Capture, ELISPOT-Capture, Rhesus & Cynomolgus Reactivity)
4. Zhao W, Oskeritzian CA, Pozez AL, Schwartz LB. Cytokine production by skin-derived mast cells: endogenous proteases are responsible for degradation of cytokines. *J Immunol.* 2005;175:2635-42. (ELISA-Capture)
5. Hansson T, Dannæus A, Klareskog L. Cytokine-producing cells in peripheral blood of children with coeliac disease secrete cytokines with a type 1 profile. *Clin Exp Immunol.* 1999;116:246-50. (ELISPOT-Capture)
6. Keller ET, Zhang J, Yao Z, Qi Y. The impact of chronic estrogen deprivation on immunologic parameters in the ovariectomized rhesus monkey (*Macaca mulatta*) model of menopause. *J Reprod Immunol.* 2001;50:41-55. (FC, Rhesus Reactivity)
7. Sestak K, McNeal MM, Choi A, Cole MJ, Ramesh G, Alvarez X, et al. Defining T-cell-mediated immune responses in rotavirus-infected juvenile rhesus macaques. *J Virol.* 2004;78:10258-64. (FC, Rhesus Reactivity)
8. Zou J, Morford LA, Choungnet C, Dix AR, Brooks AG, Torres N, et al. Human glioma-induced immunosuppression involves soluble factor(s) that alters monocyte cytokine profile and surface markers. *J Immunol.* 1999;162:4882-92. (IP)
9. Sharma S, Nemeth E, Chen Y, Goodnough J, Huston A, Roodman GD, et al. Involvement of hepcidin in the anemia of multiple myeloma. *Clin Cancer Res.* 2008;14:3262-7. (Neut)
10. Hutchinson KL, Villinger F, Miranda ME, Ksiazek TG, Peters CJ, Rollin PE. Multiplex analysis of cytokines in the blood of cynomolgus macaques naturally infected with Ebola virus (Reston serotype). *J Med Virol.* 2001;65:561-6. (Multiplex-Capture, Cynomolgus Reactivity)