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Anti-Mouse Interleukin-6 (IL-6), clone MP5-20F3 Monoclonal Antibody, azide free

Catalog No:	**CMI153**
Size:	500 µg
Concentration:	0.5 mg/0.5 mL
Clone Number:	MP5-20F3
Isotype:	Rat IgG_1
Formulation:	Purified immunoglobulin in phosphate buffered saline, pH 7.2. Preservative free. 0.22 micron sterile filtered.
Purification:	Purified from ascites by protein A/G affinity chromatography.
Purity:	>95% as determined by SDS-PAGE analysis.
Immunogen:	Recombinant mouse IL-6.
Myeloma/Fusion Partners:	Rat spleen cells fused with P3X63-AG8.653 myeloma.
Specificity:	Recognizes natural and recombinant mouse IL-6.
Applications:	This antibody is suitable for use in ELISA as a coating antibody, for mouse IL-6 neutralization studies, flow cytometry, immunohistochemistry, and Western blot analysis.
Recommended Dilutions:	Centrifuge vial briefly before opening to bring contents to bottom of vial. Immediately prior to use as a coating antibody in ELISA, dilute this preparation to a final concentration of 1-5 µg/mL, and use 100 µL to coat each well of a microtiter plate. A general ELISA protocol is available upon request. For flow cytometry, we recommend using the antibody at 0.1-0.5 µg per 10^6 splenocytes stimulated with PMA and ionophore for 6 hours. The optimal antibody concentration should be determined for each specific application.
Storage:	Store at -20°C. Further dilutions should be made with endotoxin-free medium or buffered solution with carrier protein, such as RPMI 1640 with 10% fetal calf serum.

References:

1) Abrams, J.S., M.G. Roncarolo, H. Yssel, U. Andersson, G.J. Gleich, and J.E. Silver (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL- 5 in clinical samples. Immunological Review 127:5-24.

Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com

2) Segura, M., J. Stankova, and M. Gottschalk (1999) Heat-killed *Streptococcus suis* capsular type 2 strains stimulate tumor necrosis factor alpha and interleukin-6 production by murine macrophages. Infection and Immunity 67:4646-4654.
3) Fenton, R.R., S. Molesworth-Kenyon, J.E. Oakes, and R.N. Lausch (2002) Linkage of IL-6 with neutrophil chemoattractant expression in virus-induced ocular inflammation. Invest. Opthamol. Vis. Sci. 43(3):737-743.

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