



CELL LAB Rat Anti-Human IL-6

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
731760	Purified (UNLB) Antibody	0.5 mg

For Research Use Only. Not for use in diagnostic procedures.

DESCRIPTION

Clone: MQ2-13A5
Immunogen: COS-7-expressed recombinant human IL-6
Isotype: Rat IgG1 κ
Specificity: Human Interleukin-6 (IL-6)¹⁻³ This is a neutralizing antibody.

APPLICATIONS

Enzyme-Linked Immunosorbent Assay (ELISA) Capture: MQ2-13A5 monoclonal antibody is useful as a capture antibody in a sandwich ELISA for quantifying human IL-6 protein levels.¹⁻³ Purified MQ2-13A5 antibody should be paired with biotinylated MQ2-39C3 antibody (Cat. No. 731768) as the detection antibody, with purified recombinant human IL-6 as the standard.

Immunofluorescence/Flow Cytometry: MQ2-13A5 antibody is useful for intracytoplasmic staining and flow cytometric analysis to identify and enumerate IL-6-positive cells within mixed cell populations. Recombinant human IL-6, unlabeled MQ2-13A5 (Cat. No. 731760), or Rat IgG1 (Cat. No. 731656 or 731658) should be used as a specificity control.

Immunoprecipitation/Western Blotting: The purified MQ2-13A5 antibody is also useful for immunoprecipitation and Western blotting applications. For Western blotting, a concentration of 1-5 μ g/mL (in conjunction with AP-labeled Goat Anti-Rat Ig, Cat. No. 732647) has been found to enable detection of \leq 100 ng/lane of recombinant human IL-6 under reducing conditions.

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using a sandwich ELISA.

WORKING DILUTIONS

Other Applications: Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use Good Laboratory Practice (GLP) when handling this reagent.

TRADEMARKS

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For additional information or if damaged product is received, contact your local Beckman Coulter Representative

REFERENCES

1. Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, and Silver JE. 1992. Strategies of anti-cytokine monoclonal antibody development: Immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev*, 127:5-24.
2. Abrams J, "Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies," published in *Current Protocols in Immunology*, eds. J Coligan, A Kruisbeek, D Margulies, E Shevach, and W Strober (New York: John Wiley and Sons. Unit 6.20, 1997).
3. Gaines Das R and Poole S. 1993. The international standard for IL-6. Evaluation in an international collaborative study. *J Immunol Meth*, 188:117-128.



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