



CELL LAB Rat Anti-Mouse IL-6

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
731798	Purified (UNLB) Antibody	0.5 mg

For Laboratory Use Only

DESCRIPTION

Clone: MP5-20F3
Immunogen: COS-7-expressed recombinant mouse IL-6
Isotype: Rat IgG1 κ
Specificity: Mouse Interleukin-6 (IL-6)¹⁻³ (This is a neutralizing antibody).

APPLICATIONS

Enzyme-Linked Immunosorbent Assay (ELISA) Capture: MP5-20F3 monoclonal antibody is useful as a capture antibody in a sandwich ELISA for quantifying mouse IL-6 protein levels.³⁻⁵ Purified MP5-20F3 antibody should be paired with biotinylated MP5-32C11 antibody (Cat. No. 731800) as the detection antibody, with purified recombinant mouse IL-6 as the standard.

Immunofluorescence/Flow Cytometry: MP5-20F3 antibody is useful for intracytoplasmic staining and flow cytometric analysis to identify and enumerate IL-6-positive cells within mixed cell populations.⁶ Recombinant mouse IL-6 or Rat IgG1 (Cat. No. 731656) should be used as a specificity control.

Western Blotting: The purified MP5-20F3 antibody is also useful for 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 mouse IL-5 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

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