



CELL LAB Rat Anti-Human/Viral IL-10

Cat. No.	Form	Quantity
731733	Purified (UNLB) Antibody	0.5 mg

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

DESCRIPTION

Clone: JES3-9D7
Immunogen: COS-expressed human IL-10
Isotype: Rat IgG1 κ
Specificity: Human and Viral Interleukin-10 (IL-10)¹⁻⁵ (This is a neutralizing antibody).

APPLICATIONS

Enzyme-Linked Immunosorbent Assay (ELISA) Capture: Purified JES3-9D7 monoclonal antibody is the preferred capture antibody in a sandwich ELISA for quantifying human and/or viral IL-10 proteins.¹⁻⁵ Purified JES3-9D7 antibody should be paired with biotinylated JES3-12G8 antibody (Cat. No. 731745) as the detection antibody, with purified recombinant human IL-10 as the standard.

Immunofluorescence/Flow Cytometry: The JES3-9D7 antibody is useful for intracytoplasmic staining and flow cytometric analysis to identify and enumerate IL-10-positive cells within mixed cell populations. Recombinant human IL-10 or unlabeled Rat IgG1 should be used as a specificity control.

Western Blotting: The purified JES3-9D7 antibody is also useful for Western blotting applications. A concentration of 1-5 $\mu\text{g}/\text{mL}$ (in conjunction with AP-labeled Goat Anti-Rat Ig, Cat. No. 732647) has been found to enable detection of ≤ 100 ng/lane of recombinant human IL-10 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 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

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

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

REFERENCES

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4. 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).
5. Burdin N, Peronne C, Banchereau J, and Rousset F. 1993. Epstein-Barr virus transformation induces B lymphocytes to produce human interleukin 10. *J Exp Med*, 177:295-304.



Manufactured for:
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Printed in USA
Made in USA

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PN 733801-A