CELL LAB Rat Anti-Mouse IL-10

Cat. No.	Form	Quantity
731801	Purified (UNLB) Antibody	0.5 mg
736560	Biotin (BIOT) Conjugate	0.5 mg

For Laboratory Use Only

DESCRIPTION

Clone: JES5-2A5
Immunogen: *E. coli*-expressed recombinant mouse IL-10
Isotype: Rat IgG1κ
Specificity: Mouse Interleukin-10 (IL-10)[1-3] (This is a neutralizing antibody).

APPLICATIONS

Enzyme-Linked Immunosorbent Assay (ELISA) Capture/Detection: JES5-2A5 monoclonal antibody is useful as a capture or a detection antibody in a sandwich ELISA for quantifying mouse IL-10 protein levels.[1-5] Purified JES5-2A5 antibody can be paired with biotinylated JES5-16E3 antibody (Cat. No. 731812) as the detection antibody, with purified recombinant mouse IL-10 as the standard.

Western Blotting: The purified JES5-2A5 antibody is also useful for Western blotting applications. For Western blotting, a concentration of 1-5 μg/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 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.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN_3.
- 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.
6. Harmful if swallowed.
7. After contact with skin, wash immediately with plenty of water.
8. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

TRADEMARKS

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

REFERENCES

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4. Mo XY, Sarawar SR, and Doherty P. 1995. Induction of cytokines in mice with parainfluenza pneumonia. *J Virol,* 69:1288-1291.
5. Sarawar S, Sangster M, Coffman R, and Doherty P. 1994. Administration of anti-IFN-γ antibody to β2-microglobulin-deficient mice delays influenza virus clearance but does not switch the response to a T helper 2 phenotype. *J Immunol,* 153:1246-1253.

Manufactured for:
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Printed in USA
Made in USA

PN 733832-B