



CELL LAB Rat Anti-Human IL-5

Cat. No.	Form	Quantity
731758	Purified (UNLB) Antibody	0.5 mg
731759	Biotin (BIOT) Conjugate	0.5 mg

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

DESCRIPTION

Clone: JES1-39D10
Immunogen: COS-expressed recombinant human IL-5
Isotype: Rat IgG2 α
Specificity: Human Interleukin-5 (IL-5)¹⁻⁴

APPLICATIONS

Enzyme-Linked Immunosorbent Assay (ELISA): JES1-39D10 monoclonal antibody is useful as a capture or detection antibody in a sandwich ELISA for quantifying human IL-5 protein levels.^{1-3,5} Biotinylated JES1-39D10 may be paired with purified JES1-5A10 (Cat. No. 731757) as the capture antibody.

Immunofluorescence/Flow Cytometry: JES1-39D10 antibody is useful for intracytoplasmic staining and flow cytometric analysis to identify and enumerate IL-5-positive cells within mixed cell populations.^{5,6} Recombinant human IL-5, unlabeled JES1-39D10 (Cat. No. 731758), or Rat IgG1 (Cat. No. 731656 or 731658) should be used as a specificity control.

Western Blotting: The purified JES1-39D10 antibody is also useful for Western blotting applications. 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-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/NaN₃.
- 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.

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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Fullerton, CA 92835
www.beckmancoulter.com

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