



## CELL LAB Rat Anti-Human IL-13

Cat. No.	Form	Quantity
731773	Purified (UNLB) Antibody	0.5 mg

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

### DESCRIPTION

**Clone:** JES10-5A2  
**Immunogen:** COS-expressed recombinant human IL-13  
**Isotype:** Rat IgG1 $\kappa$   
**Specificity:** Human Interleukin-13 (IL-13)<sup>1,2</sup> (This is a neutralizing antibody).

### APPLICATIONS

**Enzyme-Linked Immunosorbent Assay (ELISA) Capture:** JES10-5A2 monoclonal antibody is useful as a capture antibody in a sandwich ELISA for quantifying human IL-13 protein levels.<sup>1,2</sup> Purified JES10-5A2 antibody should be paired with biotinylated JES10-2E10 antibody (Cat. No. 731775) as the detection antibody, with purified recombinant human IL-13 as the standard.

**Immunofluorescence/Flow Cytometry:** JES10-5A2 antibody is useful for intracytoplasmic staining and flow cytometric analysis to identify and enumerate IL-13-positive cells within mixed cell populations. Recombinant human IL-13, or Rat IgG1 (Cat. No. 731656) should be used as a specificity control.

**Western Blotting:** The purified JES10-5A2 antibody is also useful for Western blotting applications. A concentration of 1-5  $\mu$ 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-13 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

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

1. McKenzie A and Zurawski G. "Measurement of IL-13," 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 6.18, 1994.)
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).



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