



CELL LAB Rat Anti-Human IL-7

Cat. No.	Form	Quantity
731770	Purified (UNLB) Antibody	0.5 mg
731771	Biotin (BIOT) Conjugate	0.5 mg

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

DESCRIPTION

Clone: BVD10-11C10
Immunogen: *E. coli*-expressed recombinant human IL-7
Isotype: Rat IgG2 κ
Specificity: Human Interleukin-7 (IL-7)^{1,2} (This is a neutralizing antibody).

APPLICATIONS

Enzyme-Linked Immunosorbent Assay (ELISA) Detection: BVD10-11C10 monoclonal antibody is useful as a capture antibody in a sandwich ELISA for quantifying human IL-7 protein levels.^{1,2} Biotinylated BVD10-11C10 antibody should be paired with purified BVD10-40F6 antibody (Cat. No. 731769) as the capture antibody, with purified recombinant human IL-7 as the standard.

Western Blotting: The purified BVD10-11C10 antibody is also useful for immunoprecipitation and 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 human IL-7 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 labeled antibody 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.
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

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. Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, and Silver JE. 1992. Strategies of anti-cytokine monoclonal antibody development: Immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev*, 127:5-24.
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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Beckman Coulter, Inc.
4300 N. Harbor Blvd.
Fullerton, CA 92835
www.beckmancoulter.com

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