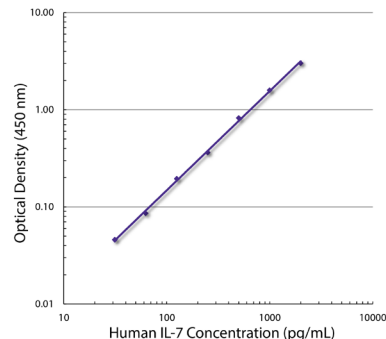




## Rat Anti-Human IL-7

Cat. No.	Format	Size
10122-01	Purified (UNLB)	0.5 mg
10122-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



Standard curve generated with Rat Anti-Human IL-7-UNLB (SB Cat. No. 10122-01; Clone BVD10-40F6) and Rat Anti-Human IL-7-BIOT (SB Cat. No. 10123-08; Clone BVD10-11C10) followed by Mouse Anti-BIOT-HRP (SB Cat. No. 6404-05)

### Overview

<b>Clone</b>	BVD10-40F6
<b>Isotype</b>	Rat IgG <sub>1</sub> κ
<b>Immunogen</b>	<i>E. coli</i> -expressed human IL-7
<b>Specificity</b>	Human IL-7
<b>Alternate Name(s)</b>	Interleukin-7, lymphopoietin-1, LP-1, Lpo-1, pre-B cell growth factor, PBGF, thymocyte growth factor

### Applications

ELISA-Capture – Quality tested <sup>1-3</sup>  
 ICC – Reported in literature <sup>4</sup>  
 Neut – Reported in literature <sup>1,5</sup>

Note – May be paired with the biotinylated clone BVD10-11C10 (SB Cat. No. 10123-08) in a sandwich ELISA

### Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	≤ 5 µg/mL
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

---

- The purified (UNLB) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Reagents are stable for the period shown on the label if stored as directed.

## References

---

1. Abrams JS, Roncarolo M, Yssel H, Andersson U, Gleich GJ, Silver JE. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev.* 1992;127:5-24. (ELISA-Capture, Neut)
2. Abrams JS. Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies. *Curr Protoc Immunol.* 2001;6.20:1-15. (ELISA-Capture)
3. Kelly EA, Koziol-White CJ, Clay KJ, Liu LY, Bates ME, Bertics PJ, et al. Potential contribution of IL-7 to allergen-induced eosinophilic airway inflammation in asthma. *J Immunol.* 2009;182:1404-10. (ELISA-Capture)
4. Bazdar DA, Kalinowska M, Panigrahi S, Sieg SF. Recycled IL-7 can be delivered to neighboring T cells. *J Immunol.* 2015;194:4698-704. (ICC)
5. Moreau I, Duvert V, Caux C, Galmiche MC, Charbord P, Banchereau J, et al. Myofibroblastic stromal cells isolated from human bone marrow induce the proliferation of both early myeloid and B-lymphoid cells. *Blood.* 1993;82:2396-405. (Neut)

TB10122  
08-Oct-21

---

**Corporate Offices:** 160 Oxmoor Blvd • Birmingham, AL 35209 • USA   **Mailing Address:** P.O. Box 26221 • Birmingham, AL 35260 • USA

**Tel:** 205.945.1774 • U.S. and Canada: 800.722.2255 • **Fax:** 205.945.8768

**Email:** [info@southernbiotech.com](mailto:info@southernbiotech.com) • **Website:** [www.southernbiotech.com](http://www.southernbiotech.com)