

# Product Data Sheet

## Biotin anti-human IL-13

**Catalog # / Size:** 502001 / 4 Plates

**Clone:** Poly5020

**Isotype:** Rabbit IgG

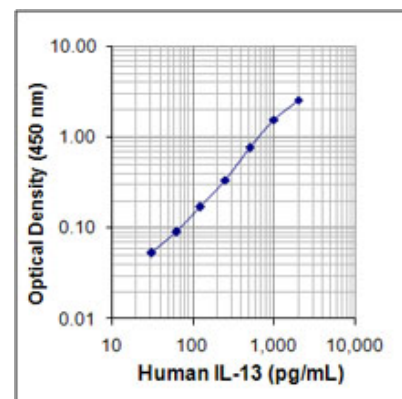
**Immunogen:** Recombinant human IL-13

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.2% BSA and 0.09% sodium azide.

**Storage:** The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



## Applications:

**Applications:** ELISA Detection, ELISPOT Detection

**Recommended Usage:** Each lot of this antibody is quality control tested by ELISA assay. As a detection antibody in ELISA assays, dilute 60 µl of this biotinylated antibody into 12 ml of detection buffer for one 96 well microtiter plate assay. To obtain a linear standard curve, serial dilutions of human IL-13 recombinant protein ranging from 2000 to 8 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** **ELISA Detection or ELISPOT Detection:** The biotinylated Poly5020 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with purified JES10-5A2 (Cat. No. 501902/501910) antibody as the capture antibody.

**Application References:** 1. Bailer, R.T., *et al.*, 1999. *J. Immunol.* 162 :7534.  
2. Arva, E., *et al.*, 1999. *Scand. J. Immunol.* 49:411.

**Description:** IL-13 is an immunoregulatory cytokine produced primarily by activated Th2 lymphocytes. IL-13 shares 30% amino acid sequence homology with IL-4 and demonstrates similar biological activities. The biological activities of IL-13 include: suppression of macrophage cytotoxic activity, upregulation of IL-1RA expression, and suppression of proinflammatory cytokine secretion. The poly5020 polyclonal antibody reacts with human interleukin-13 (IL-13).

**Antigen References:** 1. Fitzgerald, K., *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press, San Diego.  
2. Hilton, D., *et al.* 1996. *P. Natl. Acad. Sci. USA* 93:497.  
3. Obiri, N., *et al.* 1995. *J. Biol. Chem.* 270:8797.  
4. Ochensberger, B., *et al.* 1996. *Blood* 88:3028.

### Related Products:

**Product**  
Purified anti-human IL-13  
Recombinant Human IL-13  
HRP Avidin  
TMB Substrate Reagent Set  
ELISA Assay Diluent (5X)

**Clone**  
JES10-5A2  
rh IL-13  
Avidin

**Application**  
ELISA Capture, IHC, WB  
BA, ELISA  
ELISA, ELISPOT, IHC, WB  
ELISA  
ELISA



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biollegend.com/ordering#license](http://www.biollegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.