

Product Data Sheet

LEAF™ Purified anti-human IL-13

Catalog # / Size: 501909 / 50 µg
501910 / 500 µg

Clone: JES10-5A2

Isotype: Rat IgG1, κ

Immunogen: COS-expressed, recombinant human IL-13

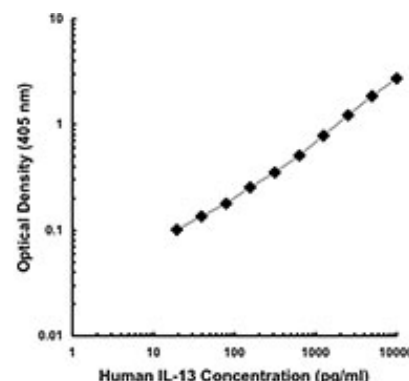
Reactivity: Human

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Applications:

Applications: ELISA Capture - *Quality tested*
ELISPOT Capture, Neut, ICFC, IHC, WB - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA analysis. For ELISA applications, a concentration range of 1-4 µg/ml is recommended. 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 or ELISPOT Capture^{1,2}:** The Purified JES10-5A2 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated Poly5020 antibody (Cat. No. 502001) as the detecting antibody. The LEAF™ Purified antibody is suggested for ELISPOT capture.

Application References:

1. McKenzie, A., *et al.* 1994. *Curr. Prot. Immunol.*. John Wiley & Sons. New York. Section 6.18.
2. Abrams, J. 1995. *Curr. Prot. Immunol.*. John Wiley and Sons, New York. Unit 6.20.
3. Schaerli, P., *et al.* 2000. *J. Exp. Med.* 192:1553.
4. Andersson, J., *et al.* 1994. *Immunology* 83:16.
5. Skansen-Saphir, U., *et al.* 1994. *Eur. J. Immunol.* 24:916.
6. Andersson, U., *et al.* 1999. *Detection and quantification of gene expression*. New York:Springer-Verlag.
7. Gelfand, E. W., *et al.* 2006. *J. Aller. and Clinic. Immunol.* 117:577.
8. Knorr, C., *et al.* 1999. *Am. J. Pathol.* 155:2019.

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 JES10-5A2 antibody reacts with human interleukin-13 (IL-13). The JES10-5A2 antibody can neutralize the bioactivity of natural or recombinant 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
 Recombinant Human IL-13
 LEAF™ Purified Rat IgG1, κ Isotype Ctrl

Clone
 rh IL-13
 RTK2071

Application
 BA, ELISA
 FC, ICFC, WB, IP, ICC, IF,
 IHC, FA



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