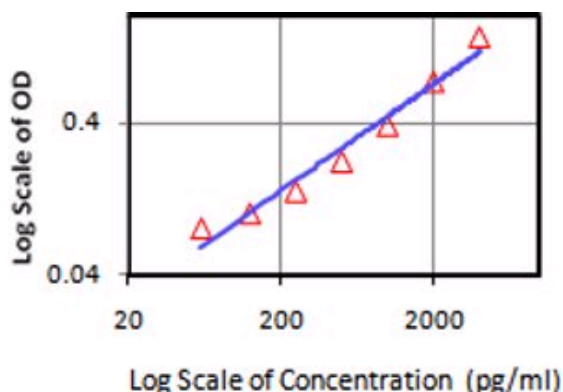


## Anti-Human IL-21 Purified

Catalog Number: 14-7219

Also Known As: Interleukin-21, IL21


RUO: For Research Use Only



Standard curve of human IL-21 ELISA.

### Product Information

Contents: Anti-Human IL-21 Purified


 Catalog Number: 14-7219

Clone: eBio3A3-N2 (3A3-N2)


Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1,  $\kappa$

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

### Description

The monoclonal antibody eBio3A3-N2 reacts with human IL-21, a potent stimulator of NK and cytolytic T cells. IL-21 is a 131 amino acid protein most closely related to IL-2 and IL-15. Expression is found in CD4<sup>+</sup> cells upon activation. In addition to its effect on NK cells, IL-21 stimulates proliferation of B-cell stimulated by crosslinking of the CD40 antigen and stimulates the proliferation of bone marrow progenitor cells and the expression of the NK-cell marker CD56 in the presence of IL-15.

### Applications Reported

The eBio3A3-N2 antibody has been reported for use in ELISA capture of IL-21 analysis.

### Applications Tested

The eBio3A3-N2 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human Interleukin-21 (IL-21) in combination with the biotin eBio2B2-G20 (cat.13-7218) antibody for detection and recombinant standard human IL-21 (cat. 39-8219) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4  $\mu$ g/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 4000 pg/ml - 60 pg/ml should be included in each ELISA plate.

### References

Parrish-Novak J, et al. 2002. Interleukin-21 and the IL-21 receptor: novel effectors of NK and T cell responses. *J Leukoc Biol.* 72(5):856-63.

Parrish-Novak J, et al. 2000. Interleukin 21 and its receptor are involved in NK cell expansion and regulation of lymphocyte function. *Nature.* 408(6808):57-63.

### Related Products

13-7218 Anti-Human IL-21 Biotin (eBio2B2-G20 (2B2-G20))

14-4714 Mouse IgG1 K Isotype Control Purified

14-8219 Human IL-21 Recombinant Protein

88-7216 Human IL-21 ELISA Ready-SET-Go!®

