

# IL-21 Monoclonal Antibody (eBio3A3-N2 (3A3-N2)), eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	eBio3A3-N2 (3A3-N2)
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_1311258

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	-	8 Publications
ELISA (ELISA)	1-4 µg/mL	-

## Product Specific Information

**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+ 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.

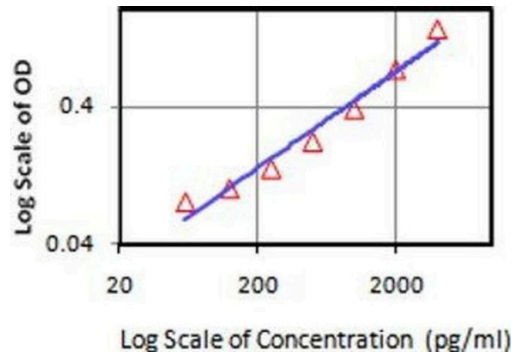
**Applications Tested:** The eBio3A3-N2 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human Interleukin-21 (IL-21) in combination with the biotin eBio2B2-G20 (cat.13-7218) antibody for detection and recombinant standard human IL-21 (cat. 39-8219) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/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.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Aggregation:** Less than 10%, as determined by HPLC.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For IL-21 Monoclonal Antibody (eBio3A3-N2 (3A3-N2)), eBioscience™



IL-21 Antibody (14-7219-82) in ELISA  
Standard curve of human IL-21 ELISA.

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8 References

Flow Cytometry (8)

Cell	Year 2023
<b>Human IRF1 governs macrophagic IFN- immunity to mycobacteria.</b>	
"Published figure using IL-21 monoclonal antibody (Product # 14-7219-82) in Flow Cytometry"	
Authors: Rosain J,Neehus AL,Manry J,Yang R,Le Pen J,Daher W,Liu Z,Chan YH,Tahuil N,Türel Ö,Bourgey M,Ogishi M, Doisne JM,Izquierdo HM,Shirasaki T,Le Voyer T,Guérin A,Bastard P,Moncada-Vélez M,Han JE,Khan T,Rapaport F, Hong SH,Cheung A,Haake K,Mindt BC,Pérez L,Philippot Q,Lee D,Zhang P,Rinchai D,Al Ali F,Ahmad Ata MM,Rahman M,Peel JN,Heissel S,Molina H,Kendir-Demirkol Y,Bailey R,Zhao S,Bohlen J,Mancini M,Seeleuthner Y,Roelens M, Lorenzo L,Soudée C,Paz MEJ,González ML,Jeljeli M,Soulier J,Romana S,L'Honneur AS,Materna M,Martínez-Barricarte R,Pochon M,Oleaga-Quintas C,Michev A,Migaud M,Lévy R,Alyanakian MA,Rozenberg F,Croft CA,Vogt G, Emile JF,Kremer L,Ma CS,Fritz JH,Lemon SM,Spaan AN,Manel N,Abel L,MacDonald MR,Boisson-Dupuis S,Marr N, Tangye SG,Di Santo JP,Zhang Q,Zhang SY,Rice CM,Béziat V,Lachmann N,Langlais D,Casanova JL,Gros P, Bustamante J	
Aging cell	Year 2021
<b>Ageing promotes early T follicular helper cell differentiation by modulating expression of RBPJ.</b>	
"Published figure using IL-21 monoclonal antibody (Product # 14-7219-82) in Flow Cytometry"	
Authors: Webb LMC,Fra-Bido S,Innocent S,Matheson LS,Attaf N,Bignon A,Novarino J,Fazilleau N,Linterman MA	

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