

Product datasheet for **TA320367**

IL21r Rat Monoclonal Antibody [Clone ID: eBio4A9]

Product data:

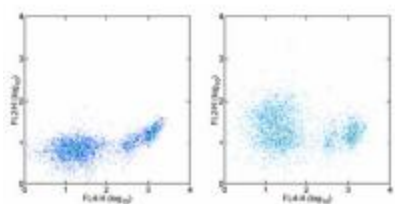
Product Type:	Primary Antibodies
Clone Name:	eBio4A9
Applications:	FC
Recommended Dilution:	Flow
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 21 receptor
Database Link:	NP_068687 Entrez Gene 60504 Mouse Q9JHX3

Background: The IL-21 receptor (IL-21R) combines with the common γ -chain to form a functional receptor for IL-21. IL-21R is expressed on several lineages including both resting and activated B, T, natural killer and dendritic cells. Binding of its ligand, IL-21, in these cells results in the activation of the Jak/Stat signal transduction pathway. The biological effects of ligand binding are diverse and depend on the cellular context and differentiation state of the cell. In the mouse, IL-21 binding to IL-21R induces the apoptosis of resting and activated B cells, enhances anti-CD3-mediated proliferation of T cells, and inhibits the maturation of dendritic cells and the IL-15-mediated expansion of NK cells.

Synonyms: IL-21R; MGC10967; NILR



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Product images:

Staining of 2-day Anti-Mouse CD3e Functional Grade Purified stimulated BALB/c splenocytes with Anti-Mouse CD4 APC and 0.25 ug of Rat IgG2a kappa Isotype Control Purified (left) or 0.25 ug of Anti-Mouse IL-21 Receptor Purified (right) followed by Anti-Rat IgG Biotin and then Streptavidin PE. Total viable cells were used for analysis.