

Anti-Mouse IL-21 Antibody [PSH04-75] - BSA and Azide free (Detector)

HA722175



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Mouse
Applications:	ELISA(Det)
Molecular Wt:	Predicted band size: 17 kDa
Clone number:	PSH04-75

Description: Interleukin 21 (IL-21) is a protein that in humans is encoded by the IL21 gene. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells. The IL-21 receptor (IL-21R) is expressed on the surface of T, B and NK cells. IL-21r is similar in structure to the receptors for other type I cytokines like IL-2R or IL-15 and requires dimerization with the common gamma chain (γ c) in order to bind IL-21. When bound to IL-21, the IL-21 receptor acts through the Jak/STAT pathway, utilizing Jak1 and Jak3 and a STAT3 homodimer to activate its target genes.

Immunogen: Recombinant protein within Mouse IL-21 aa 18-146 (Q9ES17).

Positive control: Recombinant Mouse IL-21 protein (HA210801).

Subcellular location: Secreted.

Database links: SwissProt: Q9ES17 Mouse

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH04-74] to Mouse IL-21 antibody (Capture) (HA722174) and recombinant Mouse IL-21 protein as the standard (HA210801). The reference range value is 20.6-2,000 pg/ml.

Storage Buffer: PBS (pH7.4).

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

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Technical:0086-571-89986345

Service mail:support@huabio.cn

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No Images

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Batra SA et al. Glypican-3-Specific CAR T Cells Coexpressing IL15 and IL21 Have Superior Expansion and Antitumor Activity against Hepatocellular Carcinoma. *Cancer Immunol Res.* 2020 Mar
2. Ren HM et al. New developments implicating IL-21 in autoimmune disease. *J Autoimmun.* 2021 Aug

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