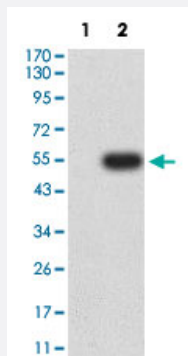


IL21R monoclonal antibody, clone 8H10B4H10

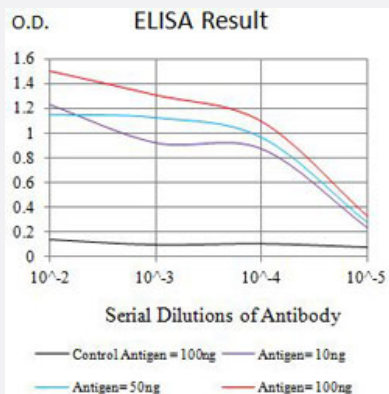
Catalog # MAB21342 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: IL21R-hlgGFc transfected HEK293 cell lysates with IL21R monoclonal antibody, clone 8H10B4H10 (Cat # MAB21342).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with IL21R monoclonal antibody, clone 8H10B4H10 (Cat # MAB21342).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human IL21R.
Immunogen	Recombinant protein corresponding to amino acids 20-232 of human IL21R.
Host	Mouse
Theoretical MW (kDa)	59.1
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: IL21R-hlgGfc transfected HEK293 cell lysates with IL21R monoclonal antibody, clone 8H10B4H10 (Cat # MAB21342).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with IL21R monoclonal antibody, clone 8H10B4H10 (Cat # MAB21342).

Gene Info — IL21R

Entrez GeneID	50615
Protein Accession#	Q9HBE5
Gene Name	IL21R
Gene Alias	MGC10967, NILR
Gene Description	interleukin 21 receptor
Omim ID	147050 605383
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]

Other Designations

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Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Cerebral Hemorrhage](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Osteoporosis](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)