

IL-21R (h2): 293T Lysate: sc-175935

BACKGROUND

The IL-21 receptor (also designated IL-21R, NILR or novel interleukin receptor) is a type I cytokine receptor that forms a complex with the cytokine receptor γ chain, $\gamma(c)$, and mediates IL-21 signaling. IL-21R is present on the surface of natural killer, B and T cell populations with high levels in spleen and thymus. IL-21 and IL-21R influence lymphoid proliferation and early lymphoid development in the transition between innate and adaptive immunity. Tumor necrosis factor (TNF) upregulates IL-21R, and combinations of TNF and IL-21 can have synergistic effects on myeloma cell proliferation through pathways involving phosphorylation of JAK1, Stat3 and ERK 1/2. The human IL-21R gene maps to chromosome 16p11 and encodes a 538 amino acid protein that is closely related to human IL2RB and shares 62% sequence identity to mouse IL21r.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IL21R (human) mapping to 16p12.1.

PRODUCT

IL-21R (h2): 293T Lysate represents a lysate of human IL-21R transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

IL-21R (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive IL-21R antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.