



IL-10R α (h): CHO Lysate: sc-110004

BACKGROUND

The IL-10 receptor, IL-10R, is a member of the class II subgroup of the cytokine receptor family and exhibits structural similarity to the interferon receptor. IL-10R is expressed in B cells and T helper cells, as well as in LPS-induced mouse fibroblasts. Over-all, mouse IL-10R and human IL-10R share 60% sequence identity at the protein level. Stimulation with IL-10 leads to tyrosine phosphorylation of JAK1 and Tyk2, but not JAK2 or JAK3. In addition to its role as an antagonist of IFN γ -mediated macrophage activation, IL-10R α transmits differentiation as well as proliferative signals. IL-10R is constitutively expressed on human natural killer (NK) cells and the direct binding of IL-10 potentiates cytokine production by human NK cells.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IL10RA (human) mapping to 11q23.3.

PRODUCT

IL-10R α (h): CHO Lysate represents a lysate of human IL-10R α transfected CHO cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

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

Control CHO Lysate: sc-117750 is available as a Western Blotting negative control lysate derived from non-transfected CHO cells.

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.

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.