



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## IL-18R (m): 293T Lysate: sc-121040

### BACKGROUND

Interleukin-18 (IL-18) has been identified as a molecule that induces IFN- $\gamma$  production and enhances NK cell cytotoxicity. IL-18 receptor (IL-18R) is a type I membrane protein present in lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta and heart, while absent from brain, skeletal muscle, pancreas and kidney. IL-18R is present in Hodgkin's disease cell lines, and does not bind IL-1 $\alpha$  or IL-1 $\beta$ . The association of IL-18 to IL-18R leads to activation of NF $\kappa$ B. At present two subunits of IL-18R have been characterized: IL-18R $\alpha$  and IL-18R $\beta$ . IL-18R $\alpha$  has been described as the ligand-binding chain and IL-18R $\beta$  as the signal-transduction chain.

### REFERENCES

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4. Zhou, Y., Yamaguchi, E., Fukui, Y., Konno, S., Maeda, Y., Kimata, K. and Nishimura, M. 2005. Enhanced expression of interleukin-18 receptor  $\alpha$  chain by CD4<sup>+</sup> T cells in sarcoidosis. *Chest* 128: 2497-2503.
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6. Asakawa, M., Kono, H., Amemiya, H., Matsuda, M., Suzuki, T., Maki, A. and Fujii, H. 2006. Role of interleukin-18 and its receptor in hepatocellular carcinoma associated with hepatitis C virus infection. *Int. J. Cancer* 118: 564-570.

### CHROMOSOMAL LOCATION

Genetic locus: Il18r1 (mouse) mapping to 1 B.

### PRODUCT

IL-18R (m): 293T Lysate represents a lysate of mouse IL-18R transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

### APPLICATIONS

IL-18R (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive IL-18R antibodies. Recommended use: 10-20  $\mu$ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T 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](http://www.scbt.com) for detailed protocols and support products.