

Author: Keyword: 

Search

[ADVANCED](#)[TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

ONLINE ISSN : 1880-313X

PRINT ISSN : 0388-6107

**Biomedical Research**

Vol. 29 (2008) , No. 1 February pp.19-25

[\[PDF \(363K\)\]](#) [\[References\]](#)**Significant association of interleukin 10 receptor mRNA levels with renal cell carcinoma metastasis**Hideyuki ABE<sup>1)</sup>, Tomonori YAMANISHI<sup>1)</sup>, Tomoko MASHIDORI<sup>1)</sup>, Kyoko ARAI<sup>1)</sup>  
and Takao KAMAI<sup>1)</sup>

1) Department of Urology, Dokkyo Medical University

(Received October 15, 2007)

(Accepted November 11, 2007)

**ABSTRACT**

Immunosuppressive cytokine, interleukin 10 (IL-10), is associated with progression of the renal cell carcinoma (RCC). However, the roles of its cell surface receptor, interleukin 10 receptor (IL-10R), remain elusive. We quantified IL-10R mRNA expression in paired tumor and non-tumor samples from the surgical specimens of 71 consecutive patients with RCC using a real-time reverse transcription polymerase chain reaction (RT-PCR). The absolute level of IL-10R mRNAs in tumor and non-tumor tissues did not correlate with the malignant and metastatic profiles. The relative yields of the PCR product from the tumor tissue to that from the corresponding non-tumor tissue (T/N) for the expression of IL-10R mRNAs were calculated. A high T/N ratio of IL-10R correlated with poor differentiation ( $P < 0.001$ ) and metastasis ( $P < 0.0001$ ). By univariate analysis, a high T/N ratio of IL-10R predicted a shortened overall survival in all cases ( $P < 0.01$ ). These findings suggest that IL-10R is associated with the progression of RCC.

[\[PDF \(363K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

To cite this article:

Hideyuki ABE, Tomonori YAMANISHI, Tomoko MASHIDORI, Kyoko ARAI and Takao

doi:10.2220/biomedres.29.19

JOI JST.JSTAGE/biomedres/29.19

Copyright (c) 2008 Biomedical Research Press

---



---

[Japan Science and Technology Information Aggregator, Electronic](#)

