Tumor growth suppressive effect of IL-4 through p21-mediated activation of STAT6 in IL-4Rα overexpressed melanoma models

Supplementary Materials

Supplementary Figure S1: Effect of rhIL-4 on cell viability of various cancer cells. Concentration-dependent effect of rhIL-4 on the several cancer cell growth; lung (A and B), colon (C and D) and renal (E and F) and cervical (G and H) and breast (I and J) after 24 hr treatment. The data were expressed as the mean ± S.D. of three experiments. *(P < 0.05) indicates statistically significant differences from the control group.
Supplementary Figure S2: Effect of rhIL-4 on STAT6 activation in melanoma cells. Supershift assay was performed on SK-MEL-28 melanoma cells, and a small volume of STAT6 antibody (1 μl) was added to the binding mix, and incubated at 37°C for 30 min before loading. The present results are representative for three experiments.

Supplementar Figure S3: The levels of IL-4 in blood. Differences in cytokine levels of IL-4 in Non-Tg mice and Luc/IL-4/CNS-1 mice. Results are presented as the mean ± SEM from 8 mice.