

IMMUNOSUPPRESSION BY COLON CANCER CELLS, MEDIATED BY TUMOR-SECRETED SOLUBLE FACTORS

Kamita, Moses K.
Molecular and Material Science, IGSES, Kyushu University

Kano, Arihiro
Interdisciplinary Graduate School of Engineering Science, Kyushu University

Mitsuru, Shindo
Institute for Material Chemistry and Engineering, Kyushu University

<https://doi.org/10.15017/1809212>

出版情報 : Proceedings of International Exchange and Innovation Conference on Engineering & Sciences (IEICES). 1, pp.1-, 2015-10-15. 九州大学大学院総合理工学府

バージョン :

権利関係 :

IMMUNOSUPPRESSION BY COLON CANCER CELLS, MEDIATED BY TUMOR-SECRETED SOLUBLE FACTORS

Moses K. Kamita¹, Arihiro Kano², Shindo Mitsuru²

¹Molecular and Material Science, IGSES, Kyushu University -

²Institute for Material Chemistry and Engineering, Kyushu University

Abstract: *In this study, soluble factors secreted by colon cancer cells (CT26) are being investigated. Conditioned medium from cultured CT26 cancer cells was collected and analyzed for the presence of immunosuppressive compound. The presence of the active compound in the samples was constantly monitored by measuring the suppression of IFN- γ expression by ELISA using splenocytes from a normal mouse. Suppressive activity in CT26 conditioned medium was shown to be mediated by a soluble factor(s) that is less than 10kDa. After fractionation with HPLC, suppression of IFN- γ expression was detected in the two different fractions. Further processing of the fractions is needed for the identification of the specific compounds that are responsible for the suppression of tumor immunity.*