

Patient NAME Mrs John Doe	DATE OF BIRTH 1992-Jun-12	DISEASE Colorectal	STAGE II	Physician NAME Administrator
SPECIMEN 20ml Blood	VIAL IDs 1			

REPORT SUMMARY

The ELISA assay results of the patient, show that there is down-regulation of immunity. According to the ELISA analysis the deactivation of the immunity is based on overproduction of relevant factors like CD25, CTLA4

Information

Laboratory Process

1. Serum isolation from 8ml of whole blood with centrifugation.
2. Specific immunity activation/suppression cytokines were measured by ELISA assay.
3. Flow cytometry run for the requested cell markers directly to whole blood.

The data arising from the two assays were then analyzed and compared to the normal ones. During the test the environmental temperature was: 23o C ± 1o C.

Disclaimers

*This Test Report is issued based on testing the sample / specimen examined by the Laboratory. Modification of data, selective breeding and using portions of this test report is forbidden. The laboratory assumes no liability for improper use or improper interpretation of the result

Immunity Activation / Suppression

CELL TYPE		MARKERS/CYTOKINES	RESULT	OUTCOME
B Cells	Plasma Cells	CD19	0.06	-
B Cells	Naïve B Cells	CD20	4.6	-
B Cells	Memory Cells	CD28	0.96	-
T Cells	CD8 - Cytotoxic T Lymphocytes (CTLs)	CD62L	0.03	-
T Cells	CD4 - Cell Mediated Immunity	IFN- γ (Interferon Gamma)	-3.68	↓
T Cells	CD4 - Humoral Immunity	IL-4 (Interleukin 4)	4.27	↑
		IL-6 (Interleukin 6)	2.36	↑
		IL-2 (Interleukin 2)	-1.48	↓
T Cells	CD4 - Suppressed Immunity	TNF- α	-2.05	↓
		CD25 (T Regulatory Cells)	0.04	-
		CTLA4 (T Regulatory Cells)	0.01	-
T Cells	Memory Cells	CD28	0.27	-
Antigen Presenting Cells	Dendritic Cells (DCs)	CD80	0.01	-
		CD86	0.03	-

Sincerely,

Dr. Ioannis Papatotiriou MD, PhD, SCym

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