Immune-Frame[®]



R.G.C.C. - RESEARCH GENETIC CANCER CENTRE S.A.

			Florina,//
Dear colleague,			
Below are the results from the analysis on a patient Mr./Ms	suffering from	carcinoma stage	The sample that was
sent to us for analysis was a sample ofml of whole blood that conta	ained EDTA-Ca as anti-co	pagulant, and packed with an	ice pack.
Our laboratory processed with the following: 1. Serum isolation from 8ml of whole blood with centrifugation.			
2. Specific immunity activation/suppression cytokines were measu	ured by ELISA assay.		
3. Flow cytometry run for the requested cell markers directly to w	hole blood.		
The data arising from the two assays were then analyzed and compare	d to the normal ones.		
During the test the environmental temperature was: $23^{\circ}\text{C} \pm 1^{\circ}\text{C}$.			
The results are summarized in the following table:			

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Day,___/___

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Immunity activation/suppression

Hematopoietic cells	(Cell type	Mark	ers/cytokines	cor	ntrol Result		
CD45 positive T cells	B cells	Plasma cells		CD19			-	
		Naïve B cells		CD20			-	
		Memory cells		CD28			-	
		CD8 (Cytotoxic T Lymphocytes, CTLs)		CD62L			-	
		s CD4 (T helper cells, T _H)	<u>Th1 (cell</u> <u>mediated</u> immunity)	IFN-γ (interferon	ı gamma)	7.63	↑	
			Th2 (humoral IL-4 (Interleukin 4		kin 4)	-24.67	\	
	T cells		<u>immunity)</u>	IL-6 (Interleu	kin 6)	-31.04	\	
				IL-2 (Interleu	kin 2)	-2.86	\	
			<u>Th3</u>	TNF-α (Tumor Necrosis		-4.47	\	
			(suppressed	Factor alp	ha)			
			<u>immunity)</u>	T regulatory	CD25		-	
				cells (Tregs)	CTLA4		-	
		Memory cells		CD28			-	
	Antigen	Dendritic cells (DCs)		CD80		1.37	个	
	Presenting Cells (APCs)			CD86			-	

Results discussion

The ELISA assay results of patient Mr/Ms _____ show that there is <u>down-regulation</u> of immunity. According to the ELISA analysis the <u>deactivation</u> of the humoral mainly immunity based on overproduction of relevant factors like IL-2.

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 results.

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