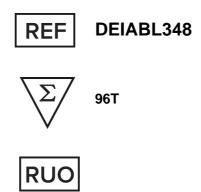




Interferon-omega (IFN omega) ELISA Kit



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

Creative Diagnostics

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PRODUCT INFORMATION

Intended Use

The interferons represent proteins with antiviral activity secreted from cells in response to a variety of stimuli. In mammals class I interferon (IFN) genes form a superfamily consisting of three gene families, the alpha interferon (IFN-alpha), the beta interferon (IFN-beta) and the interferon omega (IFN-omega) genes. IFNomega was found to compete with IFN alpha2 for binding to the cell membrane receptor type I. Potent antiviral activity was observed for IFN-omega in various assay systems. Furthermore, antiproliferative activity of IFN-omega was shown for human carcinoma cell lines. Immunomodulatory effects can as well be ascribed to IFN-omega. Its physiological role is currently not known. IFN-omega is unrelated to other human IFNs in terms of its antigenic characteristics which means there is no cross reactivity of antibodies to IFN-omega with other IFNs and vice versa. Therapeutically administered IFNw may cause measurable serum concentrations in the corresponding patients. Monitoring of these IFN-omega serum levels provides an important tool in therapy.

General Description

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Storage

2-8°C

Precision



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Email: info@creative-diagnostics.com

Sample	Experiment	Mean Human IFN-omega Concentration (pg/ml)	Coefficient of Variation (%)
1	1	262.6	1.8
	2	230.5	3.1
	3	277.5	4.8
2	1	94.1	5.4
	2	83.5	4.4
	3	83.2	8.3
3	1	186.7	2.7
	2	173.1	6.7
	3	194.9	8.5
4	1	61.4	2.6
	2	57.7	1.4
	3	54.7	3.2
5	1	140.8	6.1
	2	125.7	4.5
-197-7	3	124.9	7.6
6	1	44.9	7.6
	2	41.8	4.8
	3	38.2	9.8
7	1	242.2	2.5
	2	232.5	7.1
	3	216.1	3.6
8	1	73.9	1.1
	2	66.4	1.9
	3	69.9	9.0

Sample	Mean Human IFN-omega Concentration (pg/ml)	Coefficient of Variation (%)
1	256.8	9.3
2	86.9	7.1
3	184.9	5.9
4	57.9	5.8
5	130.5	6.8
6	41.6	8.1
7	230.3	5.7
8	70.1	5.4

Detection Range

4.7 - 300 pg/mL

Sensitivity

1.5 pg/ml

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