



# Rabbit Interleukin 6,IL-6 ELISA Kit

<b>Product Code</b>	CSB-E06903Rb
<b>Abbreviation</b>	IL6
<b>Protein Biological Process 1</b>	Immunity
<b>Target Name</b>	interleukin 6 (interferon, beta 2)
<b>Uniprot No.</b>	Q9MZR1
<b>Alias</b>	BSF2, HGF, HSF, IFNB2, IL-6, B cell stimulatory factor-2 B-cell differentiation factor CTL differentiation factor OTTHUMP00000158544 hybridoma growth factor interleukin 6 interleukin BSF-2
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Oryctolagus cuniculus (Rabbit)
<b>Protein Biological Process 3</b>	Acute phase
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	15.6 pg/mL-1000 pg/mL
<b>Sensitivity</b>	3.9 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Immunology
<b>Gene Names</b>	IL6
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

<b>Description</b>	This Rabbit IL6 ELISA Kit was designed for the quantitative measurement of Rabbit IL6 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
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<b>Target Details</b>	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile
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rheumatoid arthritis.

### Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

### Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rabbit IL-6 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	88
	Range %	80-92
1:2	Average %	99
	Range %	91-105
1:4	Average %	101
	Range %	92-110
1:8	Average %	93
	Range %	86-98

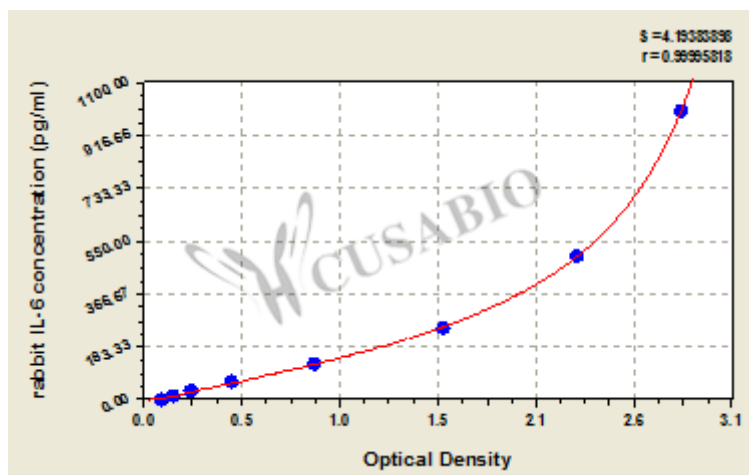
### Recovery

The recovery of rabbit IL-6 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	93	89-98
EDTA plasma (n=4)	96	90-100

### Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
1000	2.840	2.785	2.813	2.710
500	2.316	2.223	2.270	2.167
250	1.580	1.567	1.574	1.471
125	0.935	0.874	0.905	0.802
62.5	0.479	0.462	0.471	0.368
31.2	0.266	0.254	0.260	0.157
15.6	0.170	0.158	0.164	0.061
0	0.107	0.099	0.103	?

## Msds

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