



# Human Immunoglobulin J chain(IGJ) ELISA kit

<b>Product Code</b>	CSB-E09237h
<b>Abbreviation</b>	IGJ
<b>Target Name</b>	immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides
<b>Uniprot No.</b>	P01591
<b>Alias</b>	IGCJ, JCH, immunoglobulin J chain
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, saliva, urine, tear, breast milk
<b>Detection Range</b>	10 ng/mL-40000 ng/mL
<b>Sensitivity</b>	10 ng/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>	JCHAIN
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Human IGJ ELISA Kit was designed for the quantitative measurement of Human IGJ protein in serum, plasma, saliva, urine, tear, breast milk. It is a Sandwich ELISA kit, its detection range is 10 ng/mL-40000 ng/mL and the sensitivity is 10 ng/mL.

**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 human IGJ 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)
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1:1000	Average %	89
	Range %	81-99
1:2000	Average %	95
	Range %	83-99
1:4000	Average %	95
	Range %	90-102
1:8000	Average %	90
	Range %	85-100

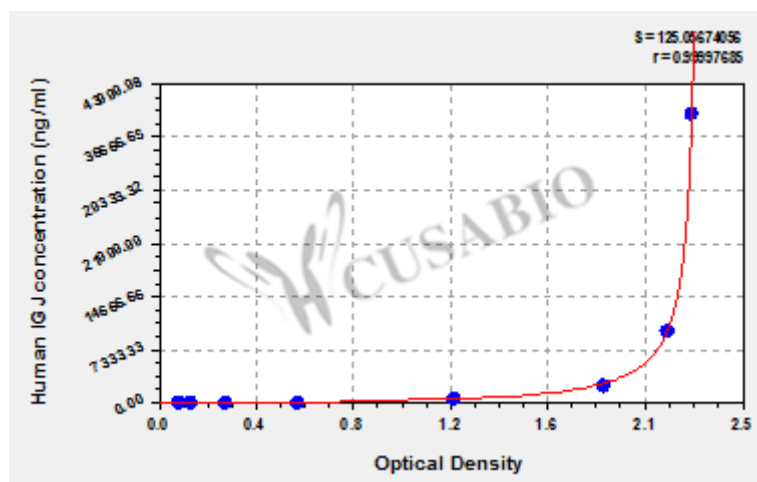
## Recovery

The recovery of human IGJ 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)	92	85-99
EDTA plasma (n=4)	95	90-100

## Typical

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



ng/ml	OD1	OD2	Average	Corrected
40000	2.257	2.242	2.250	2.162
10000	2.154	2.138	2.146	2.058
2500	1.892	1.864	1.878	1.790
625	1.252	1.249	1.251	1.163
156	0.587	0.598	0.593	0.505
39	0.282	0.288	0.285	0.197
10	0.141	0.139	0.140	0.052
0	0.086	0.090	0.088	?

## Msds

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