



# Human Low affinity immunoglobulin gamma Fc region receptor II-b(FCGR2B) ELISA kit

<b>Product Code</b>	CSB-EL008541HU
<b>Abbreviation</b>	FCGR2B
<b>Protein Biological Process 1</b>	Immunity
<b>Target Name</b>	Fc fragment of IgG, low affinity IIb, receptor (CD32)
<b>Uniprot No.</b>	P31994
<b>Alias</b>	CD32, CD32B, FCG2, FCGR2, IGFR2, Fc fragment of IgG, low affinity II, receptor for (CD32) Fc fragment of IgG, low affinity IIb, receptor Fc fragment of IgG, low affinity IIb, receptor for (CD32) Fc
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Host-virus interaction
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	0.625 ng/mL-40 ng/mL
<b>Sensitivity</b>	0.156 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>	FCGR2B
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human FCGR2B ELISA Kit was designed for the quantitative measurement of Human FCGR2B protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
<b>Product Precision</b>	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 FCGR2B 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 %	98
	Range %	93-101
1:2	Average %	102
	Range %	96-105
1:4	Average %	89
	Range %	85-92
1:8	Average %	98
	Range %	92-101

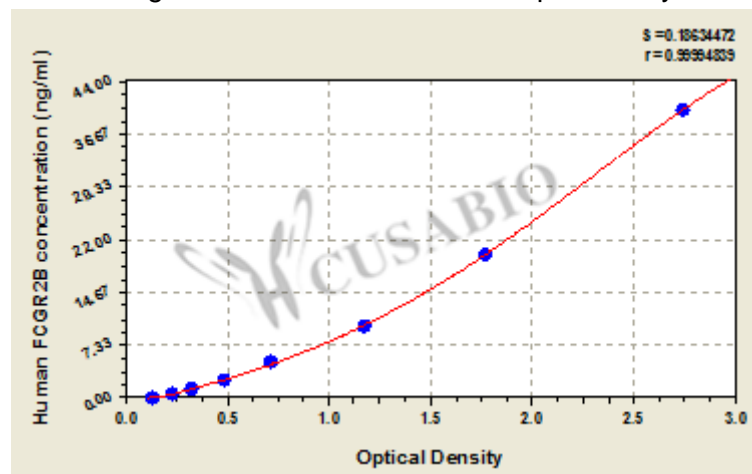
## Recovery

The recovery of human FCGR2B 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)	90	84-94
EDTA plasma (n=4)	104	99-107

## 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
40	2.735	2.711	2.723	2.580
20	1.738	1.786	1.762	1.619
10	1.163	1.188	1.176	1.033
5	0.715	0.723	0.719	0.576
2.5	0.495	0.488	0.492	0.349
1.25	0.336	0.328	0.332	0.189
0.625	0.242	0.237	0.240	0.097
0	0.144	0.142	0.143	

## Msds

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