



# Human Myeloid cell surface antigen CD33(CD33) ELISA kit

<b>Product Code</b>	CSB-EL004925HU
<b>Abbreviation</b>	CD33
<b>Protein Biological Process 1</b>	Cell Adhesion
<b>Target Name</b>	CD33 molecule
<b>Uniprot No.</b>	P20138
<b>Alias</b>	FLJ00391, SIGLEC-3, SIGLEC3, p67, CD33 antigen CD33 antigen (gp67)
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Cell adhesion
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	125 pg/mL-8000 pg/mL
<b>Sensitivity</b>	31.25 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>	CD33
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human CD33 ELISA Kit was designed for the quantitative measurement of Human CD33 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL .
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10%</p>



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 CD33 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 %	89
	Range %	80-101
1:2	Average %	97
	Range %	91-104
1:4	Average %	98
	Range %	90-113
1:8	Average %	94
	Range %	85-100

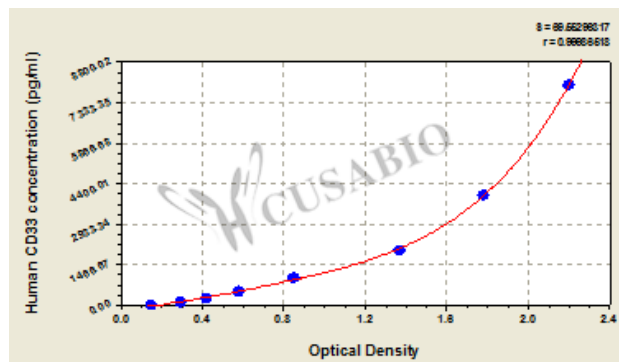
## Recovery

The recovery of human CD33 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.

Serum (n=5)	96	89-104
EDTA plasma (n=4)	95	90-102

Sample Type	Average % Recovery	Range
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## 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
8000	2.130	2.174	2.152	1.993
4000	1.732	1.754	1.743	1.584
2000	1.334	1.355	1.345	1.186
1000	0.826	0.850	0.838	0.679
500	0.565	0.580	0.573	0.414
250	0.420	0.417	0.419	0.260
125	0.302	0.295	0.299	0.140
0	0.154	0.164	0.159	?

## Msds

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