



# Dog Interleukin-33(IL33) ELISA kit

<b>Product Code</b>	CSB-EL011656DO
<b>Abbreviation</b>	IL33
<b>Target Name</b>	interleukin 33
<b>Uniprot No.</b>	O97863
<b>Alias</b>	C9orf26, DKFZp586H0523, DVS27, NF-HEV, NFEHEV, RP11-575C20.2, DVS27-related protein nuclear factor from high endothelial venules
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Canis lupus familiaris (Dog) (Canis familiaris)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	23.44 pg/mL-1500 pg/mL
<b>Sensitivity</b>	5.86 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>	IL33
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Dog IL33 ELISA Kit was designed for the quantitative measurement of Dog IL33 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 23.44 pg/mL-1500 pg/mL and the sensitivity is 5.86 pg/mL.
<b>Product Precision</b>	<p><b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b> Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b> Three samples of known concentration were tested in twenty assays to assess.</p>
<b>Linearity</b>	<p>To assess the linearity of the assay, samples were spiked with high concentrations of dog IL33 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <p>?                      Sample                      Serum(n=4)</p>



1:1	Average %	85
	Range %	82-89
1:2	Average %	102
	Range %	97-107
1:4	Average %	89
	Range %	85-93
1:8	Average %	96
	Range %	93-90

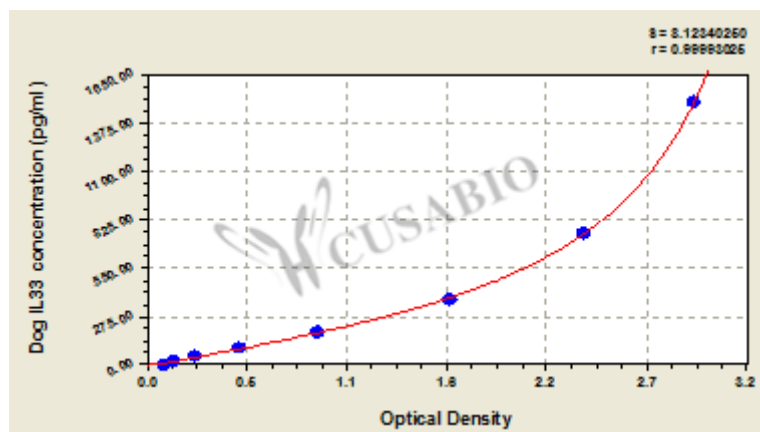
## Recovery

The recovery of dog IL33 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)	91	88-95
EDTA plasma (n=4)	97	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
1500	2.929	2.968	2.949	2.853
750	2.406	2.300	2.353	2.257
375	1.631	1.645	1.638	1.542
187.5	0.915	0.935	0.925	0.829
93.75	0.506	0.500	0.503	0.407
46.88	0.254	0.275	0.265	0.169
23.44	0.141	0.152	0.147	0.051
0	0.094	0.098	0.096	?

## Msds

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