



Horse Interleukin 6(IL-6)ELISA Kit

Product Code	CSB-E16634Hs
Abbreviation	IL-6
Protein Biological Process 1	Immunity
Target Name	Interleukin 6(IL-6)
Uniprot No.	Q95181
Alias	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
Product Type	ELISA Kit
Immunogen Species	Equus caballus (Horse)
Protein Biological Process 3	Acute phase
Sample Types	serum, plasma, tissue homogenates
Detection Range	3.12 pg/mL-200 pg/mL
Sensitivity	0.78 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	IL6
Tag Info	quantitative
Protein Description	Sandwich
Description	This Horse IL-6 ELISA Kit was designed for the quantitative measurement of Horse IL-6 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 pg/mL-200 pg/mL and the sensitivity is 0.78 pg/mL .
Target Details	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



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 horse 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 %	92
	Range %	84-98
1:2	Average %	90
	Range %	85-95
1:4	Average %	96
	Range %	92-101
1:8	Average %	104
	Range %	96-108

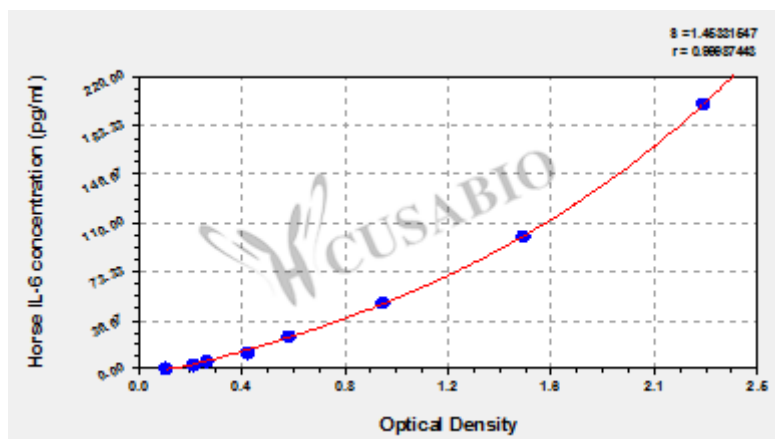
Recovery

The recovery of horse 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	88-97
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.



pg/ml	OD1	OD2	Average	Corrected
200	2.267	2.235	2.251	2.136
100	1.482	1.589	1.536	1.421
50	0.954	0.999	0.977	0.862
25	0.602	0.612	0.607	0.492
12.5	0.432	0.452	0.442	0.327
6.25	0.269	0.289	0.279	0.164
3.12	0.218	0.230	0.224	0.109
0	0.111	0.119	0.115	?

Msds

```
{
  "0": {
    "fileurl": "https://www.cusabio.com/uploadfile/msds/MSDS CSB-E16634Hs.pdf",
    "filename": "MSDS"
  }
}
```