



Rat interferon-inducible protein 10,IP-10 ELISA Kit

Product Code	CSB-E08182r
Protein Biological Process 2	chemokine
Abbreviation	CXCL10
Protein Biological Process 1	Immunity
Target Name	chemokine (C-X-C motif) ligand 10
Uniprot No.	P48973
Alias	C7, IFI10, INP10, IP-10, SCYB10, crg-2, gIP-10, mob-1, gamma IP10 interferon-inducible cytokine IP-10 protein 10 from interferon (gamma)-induced cell line small inducible cytokine B10 small inducibl
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Chemotaxis
Sample Types	serum, plasma, tissue homogenates
Detection Range	781.25 pg/mL-50000 pg/mL
Sensitivity	195 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	Cxcl10
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat CXCL10 ELISA Kit was designed for the quantitative measurement of Rat CXCL10 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 781.25 pg/mL-50000 pg/mL and the sensitivity is 195 pg/mL .
Target Details	This gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and



modulation of adhesion molecule expression.

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 rat IP-10 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 %	88
	Range %	84-92
1:2	Average %	94
	Range %	90-98
1:4	Average %	99
	Range %	95-104
1:8	Average %	102
	Range %	96-108

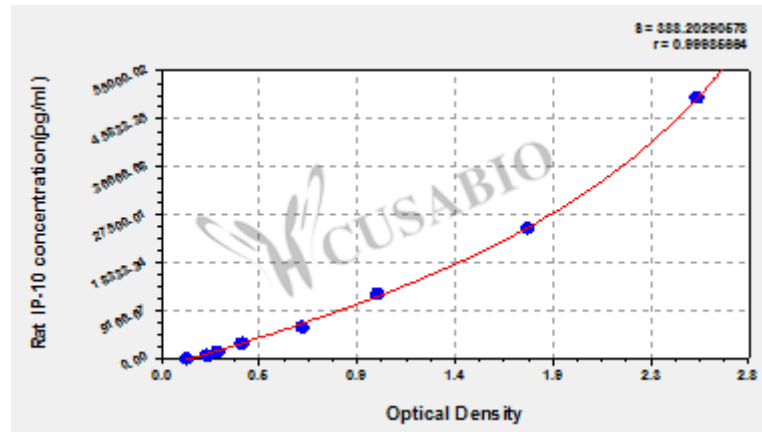
Recovery

The recovery of rat IP-10 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)	89	93-96
EDTA plasma (n=4)	100	95-105

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
50000	2.556	2.581	2.569	2.437
25000	1.748	1.769	1.759	1.627
12500	1.002	1.085	1.044	0.912
6250	0.663	0.699	0.681	0.549
3125	0.396	0.387	0.392	0.260
1562.5	0.284	0.271	0.278	0.146
781.25	0.219	0.230	0.225	0.093
0	0.131	0.133	0.132	?

Msds

```
{
  "0": {
    "fileurl": "https://www.cusabio.com/uploadfile/msds/MSDS CSB-E08182r.pdf",
    "filename": "MSDS"
  }
}
```