# Human interferon-inducible protein 10,IP-10 ELISA Kit

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|---|---|
| **Product Code** | CSB-E08181h |
| **Protein Biological Process 2** | chemokine |
| **Abbreviation** | CXCL10 |
| **Protein Biological Process 1** | Immunity |
| **Target Name** | chemokine (C-X-C motif) ligand 10 |
| **Uniprot No.** | P02778 |
| **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** | Homo sapiens (Human) |
| **Protein Biological Process 3** | Chemotaxis |
| **Sample Types** | serum, plasma, tissue homogenates |
| **Detection Range** | 31.25 pg/mL-2000 pg/mL |
| **Sensitivity** | 7.8 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 Human CXCL10 ELISA Kit was designed for the quantitative measurement of Human CXCL10 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 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 human 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 % | 90 |
| | Range % | 85-96 |
| 1:2 | Average % | 98 |
| | Range % | 91-105 |
| 1:4 | Average % | 96 |
| | Range % | 92-103 |
| 1:8 | Average % | 92 |
| | Range % | 84-98 |

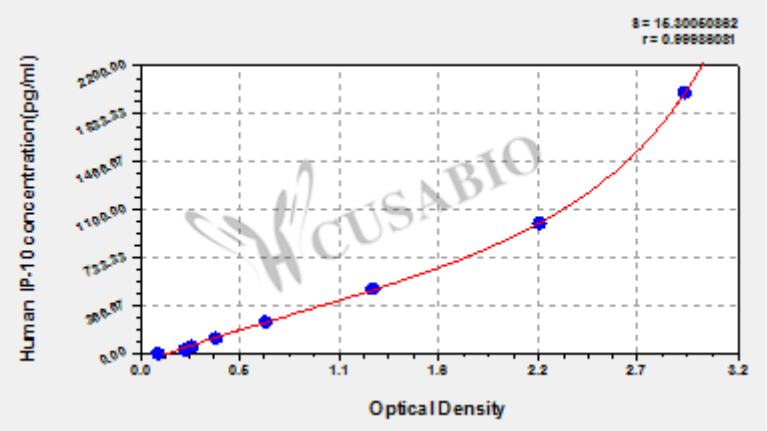
**Recovery**

The recovery of human 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) | 92 | 88-96 |
| EDTA plasma (n=4) | 93 | 87-99 |

**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 |
|---|---|---|---|---|
| 2000 | 2.923 | 2.963 | 2.943 | 2.832 |
| 1000 | 2.151 | 2.176 | 2.164 | 2.053 |
| 500 | 1.255 | 1.276 | 1.266 | 1.155 |
| 250 | 0.706 | 0.671 | 0.689 | 0.578 |
| 125 | 0.434 | 0.399 | 0.417 | 0.306 |
| 62.5 | 0.299 | 0.285 | 0.292 | 0.181 |
| 31.25 | 0.248 | 0.253 | 0.251 | 0.140 |
| 0 | 0.110 | 0.111 | 0.111 | ? |

**Msds**

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