



# Rabbit Interleukin 8, IL-8 ELISA Kit

<b>Product Code</b>	CSB-E06905Rb
<b>Protein Biological Process 2</b>	chemokine
<b>Abbreviation</b>	CXCL8
<b>Protein Biological Process 1</b>	Immunity
<b>Target Name</b>	interleukin 8
<b>Uniprot No.</b>	P19874
<b>Alias</b>	CXCL8, GCP-1, GCP1, LECT, LUCT, LYNAP, MDNCF, MONAP, NAF, NAP-1, NAP1, T cell chemotactic factor beta-thromboglobulin-like protein chemokine (C-X-C motif) ligand 8 emotakin granulocyte chemotactic
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Oryctolagus cuniculus (Rabbit)
<b>Protein Biological Process 3</b>	Chemotaxis
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	23.5 pg/mL-1500 pg/mL
<b>Sensitivity</b>	5.8 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>	CXCL8
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Rabbit IL8 ELISA Kit was designed for the quantitative measurement of Rabbit IL8 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.
<b>Target Details</b>	This protein is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a



potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q.

#### 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 rabbit IL-8 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 %	101
	Range %	94-105
1:2	Average %	97
	Range %	91-102
1:4	Average %	89
	Range %	85-94
1:8	Average %	90
	Range %	86-98

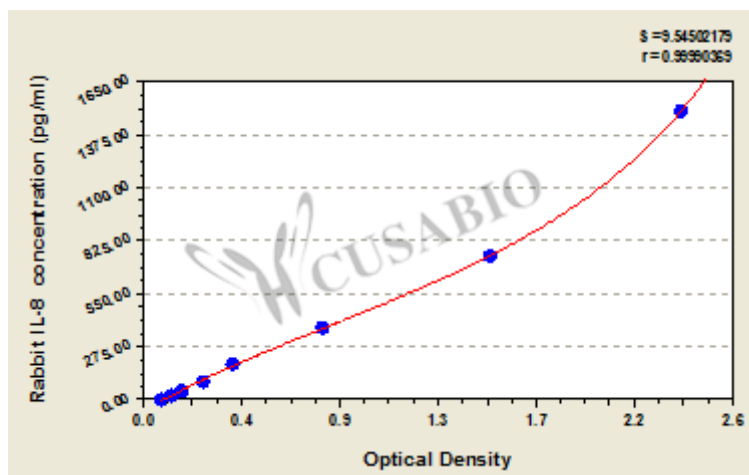
#### Recovery

The recovery of rabbit IL-8 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	87-96
EDTA plasma (n=4)	92	89-94

#### 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	2.390	2.345	2.368	2.285
750	1.587	1.476	1.532	1.449
375	0.814	0.778	0.796	0.713
187.5	0.409	0.389	0.399	0.316
94	0.276	0.264	0.270	0.187
47	0.182	0.172	0.177	0.094
23.5	0.134	0.131	0.133	0.050
0	0.085	0.081	0.083	?

## Msds

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