



Human granulocyte chemotactic protein-2,GCP-2 ELISA Kit

Product Code	CSB-E09990h
Protein Biological Process 2	chemokine
Abbreviation	CXCL6
Protein Biological Process 1	Immunity
Target Name	chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)
Uniprot No.	P80162
Alias	CKA-3, GCP-2, GCP2, SCYB6, Small inducible cytokine subfamily B (Cys-X-Cys), member b small inducible cytokine subfamily B (Cys-X-Cys), member 6 (granulocyte chemotactic protein 2)
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Chemotaxis
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 pg/mL-5000 pg/mL
Sensitivity	19.5 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	CXCL6
Tag Info	quantitative
Protein Description	Sandwich

Description

This human GCP-2 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of human GCP-2 in serum, plasma, or tissue homogenates. It also uses the enzyme-substrate chromogenic reaction to visualize and analyze the analyte levels through the color intensity. The intensity of the colored product is in direct proportion to the GCP-2 levels in the sample and is measured at 450 nm through a microplate reader.



GCP-2, also known as CXCL6, is a neutrophil-recruiting ELR+ chemokine that signals through the receptors CXCR1 and CXCR2 that are expressed on neutrophils. CXCL6-CXCR1/2 signaling mediates multiple biological processes such as inflammation, immunoreaction, cell growth, and metastasis in humans. It also promotes human hepatocyte proliferation through the CXCR1-NF- κ B pathway and suppresses collagen I secretion by hepatic stellate cells. CXCL6 is involved in cancer angiogenesis, metastasis, and immune response. CXCL6 promotes the growth and metastasis of various cancers, including non-small cell lung cancer and osteosarcoma (OS).

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