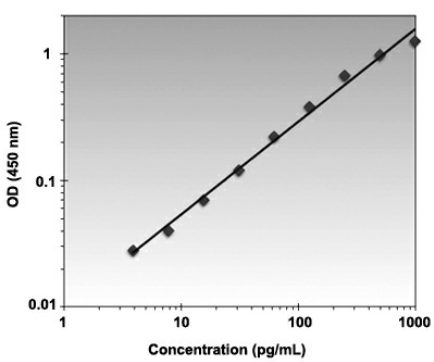
CXCL2 (Human) ELISA Kit

Catalog # KA2189 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CXCL2 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CXCL2.
Suitable Sample	Cell Lysate, Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	8 to 1000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Expiration Date	Kit expiration is 3 months from date of shipment
Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — CXCL2

Entrez GeneID	2920
Gene Name	CXCL2
Gene Alias	CINC-2a, GRO2, GROb, MGSA-b, MIP-2a, MIP2, MIP2A, SCYB2
Gene Description	chemokine (C-X-C motif) ligand 2
Omim ID	139110
Gene Ontology	Hyperlink
Other Designations	GRO2 oncogene|MGSA beta|melanoma growth stimulatory activity beta

Publication Reference

- Interaction of periodontitis and orthodontic tooth movement-an in vitro and in vivo study.

  Birgit Rath-Deschner, Andressa V B Nogueira, Svenja Beisel-Memmert, Marjan Nokhbehsaim, Sigrun Eick, Joni A Cirelli, James Deschner, Andreas Jäger, Anna Damanaki.

  Clinical Oral Investigations 2021 May; 1.

  Application: Quant, Human, Human periodontal fibroblasts

- Azithromycin treats diffuse panbronchiolitis by targeting T cells via inhibition of mTOR pathway.

  Weng D, Wu Q, Chen XQ, Du YK, Chen T, Li H, Tang DL, Li QH, Zhang Y, Lu LQ, Zhou NY, Song JC, Wang C, Li HP.

  Biomedicine & Pharmacotherapy 2019 Feb; 110:440.

  Application: Quant, Human, Jurkat cells

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- Sorafenib improves alkylating therapy by blocking induced inflammation, invasion and angiogenesis in breast cancer cells.

  Zanotto-Filho A, Rajamanickam S, Loranc E, Masamsetti P, Gorthi A, Romero JC, Tonapi S, Gonçalves RM, Reddick RL, Benavides R, Kuhn J, Chen Y, Bishop AJR.

  Cancer Letters 2018 Jul; 425:101.

  Application: ELISA, Human, MDA-MB231 cells

- Moraxella catarrhalis-produced Nitric Oxide Has Dual Roles in Pathogenicity and Clearance of Infection in Bacterial-Host Cell Co-cultures.

  Mocca B, Yin D, Gao Y, Wang W.

  Nitric Oxide 2015 Dec; 51:52.

  Application: ELISA, Human, Human bronchial epithelial cell (HBEC)

- Autophagy Mediates HBx-Induced Nuclear Factor-κB Activation and Release of IL-6, IL-8 and CXCL2 in Hepatocytes.

  Luo MX, Wong SH, Chan MT, Yu L, Yu SS, Wu F, Xiao Z, Wang X, Zhang L, Cheng AS, Ng SS, Chan FK, Cho CH, Yu J, Sung JJ, Wu WK.

  Journal of Cellular Physiology 2015 Oct; 230(10):2382.

  Application: ELISA, Human, LO2 cells culture medium

- Early effects of Staphylococcus aureus biofilm secreted products on inflammatory responses of human epithelial keratinocytes.

  Tankersley A, Frank MB, Bebak M, Brennan R.

  Journal of Inflammation 2014 Jun; 11:17.

  Application: S-ELISA, Human, HEKa cells

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Bronchiolitis
- Disease Susceptibility

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- Genetic Predisposition to Disease
- HIV Infections
- Infant
- Respiratory Syncytial Virus Infections
- Sepsis

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