

ARG83230 Rat CXCL2 / MIP2 ELISA Kit (Rapid One-Step)

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83230 Rat CXCL2 / MIP2 ELISA Kit (Rapid One-Step) is an Enzyme Immunoassay kit for the quantification of Rat CXCL2 / MIP2 in Serum, Plasma, Cell lysates and Cell culture supernatants. It is a rapid One-step 90 minutes protocol.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CXCL2 / MIP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sample Type	Serum, Plasma, Cell lysates and Cell culture supernatants
Precision	Intra-Assay CV: 4.3% Inter-Assay CV: 5.2%
Alternate Names	Gro-beta; SCYB2; HSF; CINC-2a; GROb; MGSA-b; SB-251353; MIP2A; MIP2; Hematopoietic synergistic factor; 5-73; C-X-C motif chemokine 2; MIP-2a; GRO2; Macrophage inflammatory protein 2-alpha; GRO-beta-T; Growth-regulated protein beta; MIP2-alpha

Application Instructions

Assay Time	~ 1.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CXCL2
Gene Full Name	chemokine (C-X-C motif) ligand 2
Background	Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also called macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 is 90% identical in amino acid sequence as a related

chemokine, CXCL1. This chemokine is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. The gene for CXCL2 is located on human chromosome 4 in a cluster of other CXC chemokines. CXCL2 mobilizes cells by interacting with a cell surface chemokine receptor called CXCR2.

Highlight

Related products:

[CXCL antibodies](#); [CXCL ELISA Kits](#); [CXCL Duos / Panels](#); [CXCL recombinant proteins](#);

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

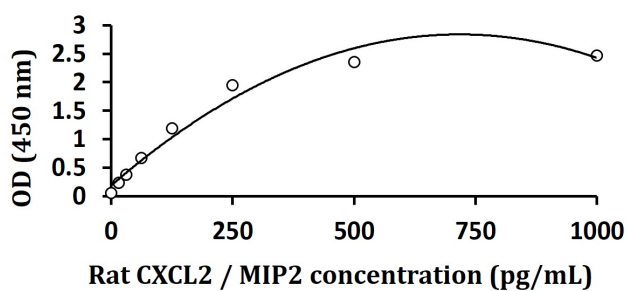
Research Area

Immune System kit

PTM

The N-terminal processed form GRO-beta(5-73) is produced by proteolytic cleavage after secretion from bone marrow stromal cells.

Images



ARG83230 Rat CXCL2 / MIP2 ELISA Kit (Rapid One-Step) standard curve image

ARG83230 Rat CXCL2 / MIP2 ELISA Kit (Rapid One-Step) results of a typical standard run with optical density reading at 450 nm.