

Porcine C-X-C motif chemokine 2 (CXCL2) ELISA Kit | CXCL2 elisa kit

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CATALOG #
AAA247079

REACTIVITY
Porcine

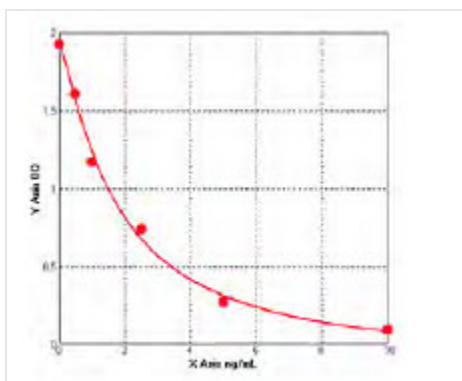
PRODUCT SYNONYMS

C-X-C motif chemokine 2 (CXCL2); Porcine C-X-C motif chemokine 2 (CXCL2) ELISA Kit; CXCL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of CXCL-2. No significant cross-reactivity or interference between CXCL-2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CXCL-2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL2 elisa kit	Intended Uses: This CXCL-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of PorcineCXCL-2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CXCL-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CXCL-2 antibody and an CXCL-2-HRP conjugate. The assay sample and buffer are incubated together with CXCL-2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CXCL-2 concentration since CXCL-2 from samples and CXCL-2-HRP conjugate compete for the anti-CXCL-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CXCL-2 from the sample, fewer sites are left to bind CXCL-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CXCL-2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CXCL2 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504155
NCBI GeneID	2920
NCBI Accession #	NP_002080.1
NCBI GenBank Nucleotide #	NM_002089.3
Molecular Weight	11,389 Da
NCBI Official Full Name	C-X-C motif chemokine 2
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 2
NCBI Official Symbol	CXCL2
NCBI Official Synonym Symbols	GRO2; GROb; MIP2; MIP2A; SCYB2; MGSA-b; MIP-2a; CINC-2a
NCBI Protein Information	C-X-C motif chemokine 2; gro-beta; MGSA beta; MIP2-alpha; GRO2 oncogene; growth-regulated protein beta; macrophage inflammatory protein 2-alpha; melanoma growth stimulatory activity beta
UniProt Protein Name	C-X-C motif chemokine 2
UniProt Gene Name	CXCL2
UniProt Synonym Gene Names	GRO2; GROB; MIP2A; SCYB2; Gro-beta; MIP2-alpha; HSF
UniProt Entry Name	CXCL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/porcine-elisa-kits/c-x-c-motif-chemokine-2-cxcl2/247079>