

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

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CATALOG #
AAA246416

REACTIVITY
Bovine

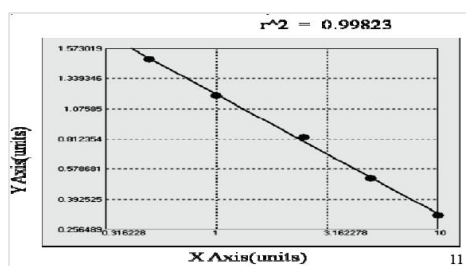
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CXCL-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CXCL-2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL2 elisa kit

Principle of the assay: CXCL-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/c-x-c-motif-chemokine-2-cxcl2/246416>