

Porcine Chemokine C-X-C-Motif Receptor 4 ELISA Kit | CXCR4 elisa kit

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CATALOG #
AAA96975

REACTIVITY
Porcine

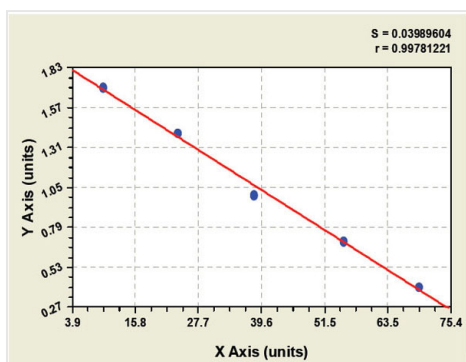
PRODUCT SYNONYMS

Chemokine C-X-C-Motif Receptor 4; Porcine Chemokine C-X-C-Motif Receptor 4 ELISA Kit; CXCR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CXCR4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CXCR4. 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 CXCR4 elisa kit

Principle of the Assay: CXCR4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CXCR4 antibody and an CXCR4-HRP conjugate. The assay sample and buffer are incubated together with CXCR4-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 CXCR4 concentration since CXCR4 from samples and CXCR4-HRP conjugate compete for the anti-CXCR4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CXCR4 from the sample, fewer sites are left to bind CXCR4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CXCR4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CXCR4 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	29825383
NCBI GeneID	7852
Molecular Weight	40,221 Da
NCBI Official Full Name	chemokine (C-X-C motif) receptor 4
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 4
NCBI Official Symbol	CXCR4
NCBI Official Synonym Symbols	FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LAP-3; LESTR; NPY3R; NPYRL; HSY3RR; NPYY3R; D2S201E
NCBI Protein Information	C-X-C chemokine receptor type 4; fusin; CD184 antigen; SDF-1 receptor; LPS-associated protein 3; neuropeptide Y receptor Y3; seven transmembrane helix receptor; stromal cell-derived factor 1 receptor; lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane domain receptor
UniProt Protein Name	C-X-C chemokine receptor type 4
UniProt Gene Name	CXCR4
UniProt Synonym Gene Names	CXC-R4; CXCR-4; LESTR; LAP-3; LPS-associated protein 3; SDF-1 receptor
UniProt Entry Name	CXCR4_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/cxcr4-porcine-elisa-kits/chemokine-c-x-c-motif-receptor-4/96975>