

Human C-X-C chemokine receptor type 4 ELISA Kit | CXCR4 elisa kit

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CATALOG #
AAA98891

REACTIVITY
Human

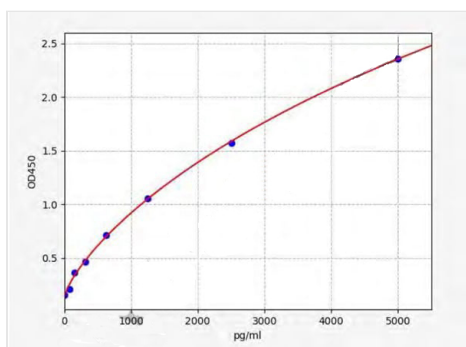
PRODUCT SYNONYMS

C-X-C chemokine receptor type 4; Human C-X-C chemokine receptor type 4 ELISA Kit; CXCR4/Chemokine C-X-C-Motif Receptor/Stromal cell-derived factor 1 receptor (SDF-1 receptor)/Leukocyte-derived seven transmembrane domain receptor (LESTR)/Fusin/LCR1/CD184/Fusin/chemokine (C-X-C motif) receptor 4/C-X-C chemokine receptor type 4/CXC-R4//D2S201ESDF-1 receptor/FB22/Fusin/HM89NPYRL/HSY3RR/LAP3/LCR1/LESTRCD184 antigen/Leukocyte-derived seven transmembrane domain receptor/lipopolysaccharide-associated protein 3/neuropeptide Y receptor Y3/NPY3RWHIM/NPYR/NPYY3R/seven transmembrane helix receptor/seven-transmembrane-segment receptor; spleen/Stromal cell-derived factor 1 recepto; CXCR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CXCR4. No significant crossreactivity or interference between CXCR4 and analogues was observed.
Sequence Length	352
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCR4 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503175
NCBI GeneID	7852
NCBI Accession #	NP_003458.1
NCBI GenBank Nucleotide #	NM_003467.2
Molecular Weight	40,221 Da
NCBI Official Full Name	C-X-C chemokine receptor type 4 isoform b
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; WHIMS; HSY3RR; NPY3R; D2S201E
NCBI Protein Information	C-X-C chemokine receptor type 4
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.