

Mouse CXC-chemokine receptor 2 ELISA Kit | CXCR2 elisa kit

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CATALOG #
AAA16314

REACTIVITY
Mouse

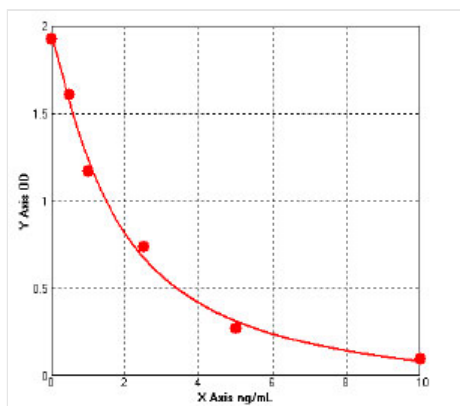
PRODUCT SYNONYMS

CXC-chemokine receptor 2; Mouse CXC-chemokine receptor 2 ELISA Kit; CXCR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CXCR2. No significant cross-reactivity or interference between CXCR2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CXCR2 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 CXCR2 elisa kit	Intended Uses: This CXCR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseCXCR2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CXCR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CXCR2 antibody and an CXCR2-HRP conjugate. The assay sample and buffer are incubated together with CXCR2-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 CXCR2 concentration since CXCR2 from samples and CXCR2-HRP conjugate compete for the anti-CXCR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CXCR2 from the sample, fewer sites are left to bind CXCR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CXCR2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CXCR2 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	269973859
NCBI GeneID	3579
NCBI Accession #	NP_001161770.1
NCBI GenBank Nucleotide #	NM_001168298.1
Molecular Weight	40,759 Da
NCBI Official Full Name	C-X-C chemokine receptor type 2
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 2
NCBI Official Symbol	CXCR2
NCBI Official Synonym Symbols	CD182; IL8R2; IL8RA; IL8RB; CMKAR2; CDw128b
NCBI Protein Information	C-X-C chemokine receptor type 2; CXC-R2; CXCR-2; IL-8R B; GRO/MGSA receptor; IL-8 receptor type 2; interleukin 8 receptor B; chemokine (CXC) receptor 2; interleukin 8 receptor, beta; interleukin 8 receptor type 2; interleukin-8 receptor type B; CXCR2 gene for IL8 receptor type B; high affinity interleukin-8 receptor B
UniProt Protein Name	C-X-C chemokine receptor type 2
UniProt Gene Name	CXCR2
UniProt Synonym Gene Names	IL8RB; CXC-R2; CXCR-2; IL-8R B
UniProt Entry Name	CXCR2_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/cxcr2-mouse-elisa-kits/cxc-chemokine-receptor-2/16314>