

Rat Interleukin 8 Receptor Alpha (IL8Ra) ELISA Kit | IL8Ra elisa kit

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CATALOG #
AAA65394

REACTIVITY
Rat

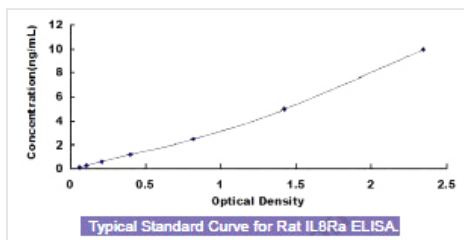
PRODUCT SYNONYMS

Interleukin 8 Receptor Alpha (IL8Ra); Rat Interleukin 8 Receptor Alpha (IL8Ra) ELISA Kit; CD181; CDw128a; CXCR1; CKR1; CMKAR1; IL8R1; IL8RBA; IL8-RA; Chemokine C-X-C motif Receptor 1; High Affinity Interleukin-8 Receptor A; IL8Ra elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IL8Ra. No significant cross-reactivity or interference between IL8Ra and analogues was observed.
Sequence Length	349
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL8Ra were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL8Ra were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL8Ra elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL8Ra in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL8Ra. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IL8Ra. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL8Ra, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IL8Ra in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9506809
NCBI GeneID	54258
NCBI Accession #	NP_062183.1
NCBI GenBank Nucleotide #	NM_019310.1
UniProt Accession #	P70612
Molecular Weight	39,945 Da
NCBI Official Full Name	C-X-C chemokine receptor type 1
NCBI Official Synonym Full Names	C-X-C motif chemokine receptor 1
NCBI Official Symbol	Cxcr1
NCBI Official Synonym Symbols	Il8ra
NCBI Protein Information	C-X-C chemokine receptor type 1
UniProt Protein Name	C-X-C chemokine receptor type 1
UniProt Gene Name	Cxcr1
UniProt Synonym Gene Names	Il8ra; CXC-R1; CXCR-1; IL-8R A

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/rat-elisa-kits/interleukin-8-receptor-alpha-il8ra/65394>