

Rat Interleukin 8 Receptor Beta (IL8Rb) ELISA Kit | IL8Rb elisa kit

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CATALOG #
AAA185381

REACTIVITY
Rat

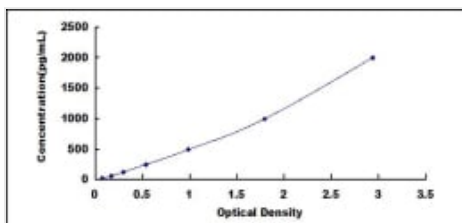
PRODUCT SYNONYMS

Interleukin 8 Receptor Beta (IL8Rb); Rat Interleukin 8 Receptor Beta (IL8Rb) ELISA Kit; CD182; CDw128b; IL8R-B; IL8-RB; CMKAR2; CXCR2; IL8R2; C-X-C chemokine receptor type 2; GRO/MGSA receptor; High affinity interleukin-8 receptor B; IL8Rb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Interleukin 8 Receptor Beta (IL8Rb). No significant cross-reactivity or interference between Interleukin 8 Receptor Beta (IL8Rb) and analogues was observed.
Sequence Length	360
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	< 12.3pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Interleukin 8 Receptor Beta (IL8Rb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Interleukin 8 Receptor Beta (IL8Rb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL8Rb elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Interleukin 8 Receptor Beta (IL8Rb). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interleukin 8 Receptor Beta (IL8Rb). 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 Interleukin 8 Receptor Beta (IL8Rb), 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 Interleukin 8 Receptor Beta (IL8Rb) 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 #	559054
NCBI GeneID	3579
UniProt Accession #	P25025; Q8IUZ1; Q9P2T6; Q9P2T7
Molecular Weight	40,759 Da
NCBI Official Full Name	interleukin 8 receptor beta
NCBI Official Synonym Full Names	C-X-C motif chemokine 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
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

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-beta-il8rb/185381>