

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

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CATALOG #
AAA182480

REACTIVITY
Human

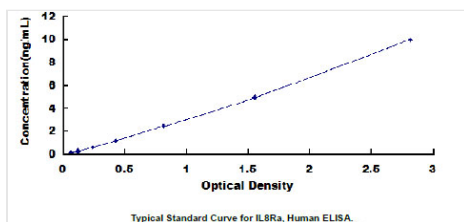
PRODUCT SYNONYMS

Interleukin 8 Receptor Alpha (IL8Ra); Human 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	Human
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	350
Samples	Human tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.054ng/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	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 IL8Ra elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL8Ra in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL8Ra. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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 #	559050
NCBI GeneID	3577
UniProt Accession #	P25024; Q2YEF8; Q2YEG4; Q2YEG5; Q2YEG7; Q2YEG8; Q53R18; Q6IN95; Q8N6T6; Q9P2T8; Q9P2T9; B2R6Q3
Molecular Weight	39,791 Da
NCBI Official Full Name	interleukin 8 receptor alpha
NCBI Official Synonym Full Names	C-X-C motif chemokine receptor 1
NCBI Official Symbol	CXCR1
NCBI Official Synonym Symbols	C-C; CD128; CD181; CKR-1; IL8R1; IL8RA; CMKAR1; IL8RBA; CDw128a; C-C-CKR-1
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	CMKAR1; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/interleukin-8-receptor-alpha-il8ra/182480>