

Human Chemokine C-C-Motif Receptor 5 (CCR5) ELISA Kit | CCR5 elisa kit

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CATALOG #
AAA136659

REACTIVITY
Human

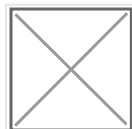
PRODUCT SYNONYMS

Chemokine C-C-Motif Receptor 5 (CCR5); Human Chemokine C-C-Motif Receptor 5 (CCR5) ELISA Kit; CD195; CC-CKR5; CCCKR5; CMKBR5; CHEMR13; HIV-1 fusion coreceptor; CCR5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CCR5. No significant cross-reactivity or interference between CCR5 and analogues was observed.
Sequence Length	352
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CCR5 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 CCR5 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 CCR5 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CCR5. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CCR5. 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 CCR5, 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 CCR5 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CCR5 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for CCR5 elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	28461320
NCBI GeneID	1234
UniProt Accession #	P51681; O14692; O14693; O14695; O14696; O14697; O14698; O14699; O14700; O14701; O14702; O14703
Molecular Weight	40,524 Da
NCBI Official Full Name	Chemokine (C-C motif) receptor 5
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 5 (gene/pseudogene)
NCBI Official Symbol	CCR5
NCBI Official Synonym Symbols	CKR5; CCR-5; CD195; CKR-5; CCKR5; CMKBR5; IDDM22; CC-CKR-5
NCBI Protein Information	C-C chemokine receptor type 5
UniProt Protein Name	C-C chemokine receptor type 5
UniProt Gene Name	CCR5
UniProt Synonym Gene Names	CMKBR5; C-C CKR-5; CC-CKR-5; CCR-5; CCR5
UniProt Entry Name	CCR5_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/human-elisa-kits/chemokine-c-c-motif-receptor-5-ccr5/136659>