

Human Chemokine C C Motif Receptor 7 ELISA Kit | CCR7 elisa kit

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CATALOG #
AAA97130

REACTIVITY
Human

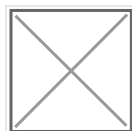
PRODUCT SYNONYMS

Chemokine C C Motif Receptor 7; Human Chemokine C C Motif Receptor 7 ELISA Kit; CCR7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CXCR7. No significant cross-reactivity or interference between CXCR7 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CXCR7 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCR7 elisa kit

Principle of the Assay: CXCR7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CXCR7 antibody and an CXCR7-HRP conjugate. The assay sample and buffer are incubated together with CXCR7-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 CXCR7 concentration since CXCR7 from samples and CXCR7-HRP conjugate compete for the anti-CXCR7 antibody binding site. Since the number of sites is limited, as more sites are occupied by CXCR7 from the sample, fewer sites are left to bind CXCR7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CXCR7 concentration in each sample is interpolated from this standard curve.

Intended Uses: This CXCR7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CXCR7. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for CCR7 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119581073
NCBI GeneID	1236
Molecular Weight	42,874 Da
NCBI Official Full Name	chemokine (C-C motif) receptor 7
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 7
NCBI Official Symbol	CCR7
NCBI Official Synonym Symbols	BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7
NCBI Protein Information	C-C chemokine receptor type 7; MIP-3 beta receptor; CC chemokine receptor 7; Bukitt's lymphoma receptor 2; Epstein-Barr virus induced gene 1; EBV-induced G protein-coupled receptor 1; lymphocyte-specific G protein-coupled peptide receptor; Epstein-Barr virus-induced G-protein coupled receptor 1
UniProt Protein Name	C-C chemokine receptor type 7
UniProt Gene Name	CCR7
UniProt Synonym Gene Names	CMKBR7; EBI1; EVI1; C-C CKR-7; CC-CKR-7; CCR-7; EBI1; EBV-induced G-protein coupled receptor 1
UniProt Entry Name	CCR7_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/ccr7-human-elisa-kits/chemokine-c-c-motif-receptor-7/97130>