

Human CD21/CR2 ELISA Kit | CR2 elisa kit

Human CD21/CR2 PicoKine ELISA Kit

CATALOG #
AAA45842

REACTIVITY
Human

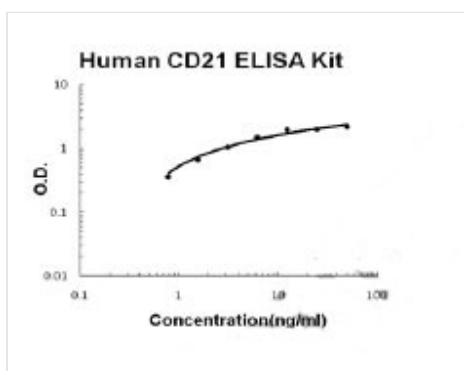
PRODUCT SYNONYMS

CD21/CR2; Human CD21/CR2 PicoKine ELISA Kit; Complement receptor type 2; complement component (3d/Epstein Barr virus) receptor 2; C3DR; CD 21; CD21; CD21 antigen; Complement C3d receptor; Complement component (3d/Epstein Barr virus) receptor 2; Complement component receptor 2; Cr 2; CR; Cr2; CR2_HUMAN; CVID7; EBV receptor; EBV-R; Epstein Barr virus receptor; Epstein-Barr virus receptor; EVBR; SLEB9; CR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CPE
Sequence Length	1033
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta)
Detection Range	156ng/ml-10000ng/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CR2 elisa kit	Principle of the Assay: The Picokine Human CPE Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CPE with a 96-well strip plate that is pre-coated with antibody specific for CPE. The detection antibody is a biotinylated antibody specific for CPE. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human CPE with immunogen: Expression system for standard: NSO, Immunogen sequence: L43-F476. The kit is analytically validated with ready to use reagents. To measure Human CPE, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human CPE in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CPE in the sample!!Background/Introduction: This gene encodes a member of the M14 family of metallocarboxypeptidases. It is mapped to 4q32.3. The encoded preproprotein is proteolytically processed to generate the mature peptidase. This peripheral membrane protein cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. This protein may also function independently of its peptidase activity, as a neurotrophic factor that promotes neuronal survival, and as a sorting receptor that binds to regulated secretory pathway proteins, including prohormones. Mutations in this gene are implicated in type 2 diabetes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215273962
NCBI GeneID	1380
UniProt Accession #	P20023; Q13866; Q14212; Q53EL2; Q5BKT9; Q5SR46; Q5SR48; C9JHD2
Molecular Weight	118,279 Da
NCBI Official Full Name	Complement receptor type 2
NCBI Official Synonym Full Names	complement component (3d/Epstein Barr virus) receptor 2
NCBI Official Symbol	CR2
NCBI Official Synonym Symbols	CR; C3DR; CD21; CVID7; SLEB9
NCBI Protein Information	complement receptor type 2; EBV receptor; complement C3d receptor
UniProt Protein Name	Complement receptor type 2
UniProt Gene Name	CR2
UniProt Synonym Gene Names	C3DR; Cr2; EBV receptor
UniProt Entry Name	CR2_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.