

Human CD21/CR2 ELISA Kit | CD21/CR2 elisa kit

Human CD21/CR2 PicoKine Fast ELISA Kit

CATALOG #
AAA125366

REACTIVITY
Human

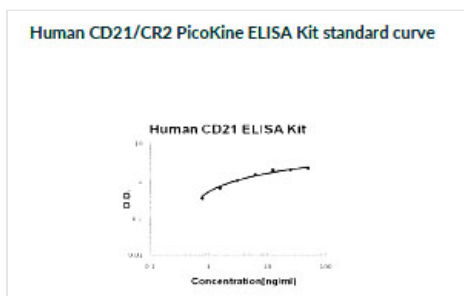
PRODUCT SYNONYMS

CD21/CR2; Human CD21/CR2 PicoKine Fast ELISA Kit; human CD21; Complement receptor type 2; Cr2; Complement C3d receptor; Epstein-Barr virus receptor; EBV receptor; CD21; CR2; C3DR; CD21/CR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CR2
Sequence Length	1033
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<20pg/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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD21/CR2 elisa kit	Principle of the Assay: The Picokine™ Human CR2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CR2 with a 96-well strip plate that is pre-coated with antibody specific for CR2. The detection antibody is a biotinylated antibody specific for CR2. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CR2 with immunogen: Expression system for standard: CHO; Immunogen sequence: Ile21-71. The kit is analytically validated with ready to use reagents. To measure Human CR2, 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 CR2 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 CR2 in the sample.!!Background/Introduction: Complement receptor type 2(CR2), also known as C3DR or CD21, is a protein that in humans is encoded by the CR2 gene. It is mapped to 1q32.2. CR2 is involved in the complement system. It binds to iC3b(inactive derivative of C3b), C3dg, or C3d. CR2 is the membrane protein on B lymphocytes to which the Epstein-Barr virus (EBV) binds during infection of these cells. CR2, together with CD19, CD81, and CD225, forms the Bcell coreceptor complex, which lowers the activation threshold of the B-cell antigen receptor. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215273962
NCBI GeneID	1380
UniProt Accession #	P20023
NCBI Official Full Name	Complement receptor type 2
NCBI Official Synonym Full Names	complement C3d receptor 2
NCBI Official Symbol	CR2
NCBI Official Synonym Symbols	CR; C3DR; CD21; CVID7; SLEB9
NCBI Protein Information	complement receptor type 2
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cd21-cr2/125366>