

Rat Complement Receptor 2 (CR2) ELISA Kit | CR2 elisa kit

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CATALOG #
AAA65660

REACTIVITY
Rat

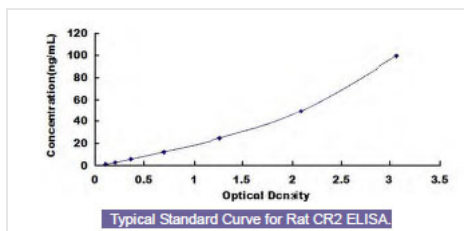
PRODUCT SYNONYMS

Complement Receptor 2 (CR2); Rat Complement Receptor 2 (CR2) ELISA Kit; CD21 C3DR Complement Component(3d/Epstein Barr Virus)Receptor 2 Complement C3d receptor Epstein-Barr virus receptor EBV receptor; CR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CR2. No significant cross-reactivity or interference between CR2 and analogues was observed.
Sequence Length	1,406
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.57ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CR2 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 CR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CR2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CR2 in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CR2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CR2. 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 CR2, 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 CR2 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 #	672075122
NCBI GeneID	289395
NCBI Accession #	XP_008768069.1
NCBI GenBank Nucleotide #	XP_008768069.1
UniProt Accession #	A0A0G2K684
Molecular Weight	155,261 Da
NCBI Official Full Name	complement receptor type 2 isoform X1
NCBI Official Synonym Full Names	complement C3d receptor 2
NCBI Official Symbol	Cr2
NCBI Official Synonym Symbols	Cd21
NCBI Protein Information	complement receptor type 2
UniProt Protein Name	Protein Cr2
UniProt Gene Name	Cr2

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.