

Human Complement C2 ELISA Kit | C2 elisa kit

Human Complement C2 ELISA Kit PicoKine

CATALOG # AAA126690	REACTIVITY Human	APPLICATIONS ELISA
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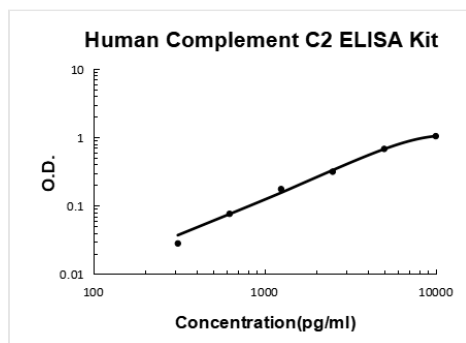
PRODUCT SYNONYMS

Complement C2; Human Complement C2 ELISA Kit PicoKine; C2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human C2
Samples	Cell culture supernatants, serum, plasma(heparin, EDTA, citrate) and urine
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<20 pg/ml
Applicable Applications for C2 elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human Complement C2 PicoKine ELISA Kit Standard Curve

ADDITIONAL INFORMATION

Related Product Information for C2 elisa kit	Background: Complement C2 is a protein that in humans is encoded by the C2 gene. Component C2 is a serum glycoprotein that functions as part of the classical pathway of the complement system. Activated C1 cleaves C2 into C2a and C2b. The serine proteinase C2a then combines with complement factor 4b to create the C3 or C5 convertase. Deficiency of C2 has been reported to associated with certain autoimmune diseases and SNPs in this gene have been associated with altered susceptibility to age-related macular degeneration. This gene localizes within the class III region of the MHC on the short arm of chromosome 6. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described in publications but their full-length sequence has not been determined. Principle of the Assay: The Picokine™ Human C2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human C2 with a 96-well strip plate that is pre-coated with antibody specific for C2. The detection antibody is a biotinylated antibody specific for C2. The capture antibody is monoclonal antibody from mouse and the detection antibody is biotinylated polyclonal antibody from goat. The kit includes Human C2 protein as standards. To measure Human C2, 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human C2 in the sample. Read the absorbance 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 C2 in the sample.
Product Categories/Family for C2 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	14550407
NCBI GeneID	717
NCBI Accession #	NP_000054.2
NCBI GenBank Nucleotide #	NM_000063.5
UniProt Accession #	P06681; O19694; Q13904; B4DPF3; B4DV20; E9PFN7
Molecular Weight	69,444 Da
NCBI Official Full Name	complement C2 isoform 1 preproprotein
NCBI Official Synonym Full Names	complement component 2
NCBI Official Symbol	C2
NCBI Official Synonym Symbols	CO2; ARMD14
NCBI Protein Information	complement C2
UniProt Protein Name	Complement C2
UniProt Gene Name	C2
UniProt Entry Name	CO2_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/complement-c2/126690>