

Human Complement C3 ELISA Kit | C3 elisa kit

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CATALOG #
AAA10791

REACTIVITY
Human

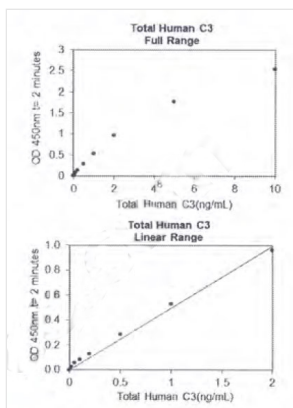
PRODUCT SYNONYMS

Complement C3; Human Complement C3 ELISA Kit; C3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Pooled normal plasma from mouse, rat, pig, sheep, and horse was assayed at the recommended
Form/Format	Complete Kit
Sequence Length	1663
Samples	Human plasma, serum, urine, milk, sa liva and cell culture samples
Intra-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in ten independent assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3 elisa kit	Intended Uses: This human complement component 3 (C3) total antigen assay is intended for the quantitative determination of total C3 antigen in human plasma, serum, urine, milk, saliva and cell culture samples. For research use only. Principle of the Assay: Human C3 will bind to the capture antibody coated on the microtiter plate. After appropriate washing steps, biotin labeled anti-human C3 primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody is reacted with peroxidase conjugated streptavidin. Following an additional washing step, TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of human C3. Color development is proportional to the concentration of total C3 in the samples. Background/Introduction: Complement C3, the most abundant serum complement component, is a disulfide-linked 185kDa 1,637 amino acid glycoprotein which supports the classical, alternative, and lectin pathways of complement activation (1). C3 is proteolytically activated by C3-convertase to the anaphylatoxin C3a and the opsonizing agent C3b (2). Serum concentrations of C3 are increased during acute and chronic inflammation such as rheumatoid arthritis, and are decreased due to increased consumption or autoimmune disorders such as systemic lupus erythematosus [31].
Product Categories/Family for C3 elisa kit	Complement; Human Complement ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298678
NCBI GeneID	718
NCBI Accession #	NP_000055.2
NCBI GenBank Nucleotide #	NM_000064.2
UniProt Accession #	P01024; A7E236
Molecular Weight	187,148 Da
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1
NCBI Protein Information	complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; ASP
UniProt Entry Name	CO3_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.