

Mouse Complement C3 ELISA Kit | C3 elisa kit

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CATALOG #
AAA10799

REACTIVITY
Mouse

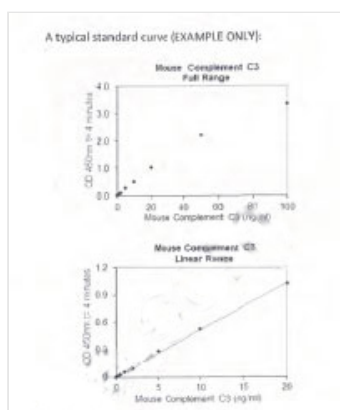
PRODUCT SYNONYMS

Complement C3; Mouse Complement C3 ELISA kit; C3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes natural mouse C3. Pooled normal plasma from human, pig, rabbit, sheep, canine, and horse were assayed and no significant crossreactivity was observed. Pooled normal plasma from rat and rabbit resulted in significant color development.
Form/Format	Complete kit
Sequence Length	1663
Samples	Mouse plasma, serum, 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	Recommended Storage: 4 degree C Minimum Shelf Life: 12 months from manufacture, see label for expiration date Shipping Condition: Cold pack

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3 elisa kit	Background: 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 [3]. Principle of the Assay: Mouse C3 will bind to the capture antibody coated on the microtiter plate. After appropriate washing steps, peroxidase labeled polyclonal anti-mouse C3 antibody binds to the captured protein. Excess antibody is washed away and 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 mouse C3. Color development is proportional to the concentration of C3 in the samples. Intended Uses: This mouse complement component 3 (C3) total antigen assay is intended for the quantitative determination of total C3 antigen in mouse plasma, serum, and cell culture samples. For research use only,
Product Categories/Family for C3 elisa kit	COMPLEMENT

NCBI AND UNIPROT INFORMATION

NCBI GI #	126518317
NCBI GeneID	12266
NCBI Accession #	NP_033908.2
NCBI GenBank Nucleotide #	NM_009778.2
UniProt Accession #	P01027; Q61370; Q80XP1
Molecular Weight	60,952 Da
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; Plp; HSE-MSF; AI255234
NCBI Protein Information	complement C3; complement factor 3; complement component 3d; acylation stimulating protein
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	C3bc; ASP
UniProt Entry Name	CO3_MOUSE

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.