

Mouse Complement C5 ELISA Kit | C5 elisa kit

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CATALOG # AAA17890	REACTIVITY Mouse	APPLICATIONS ELISA
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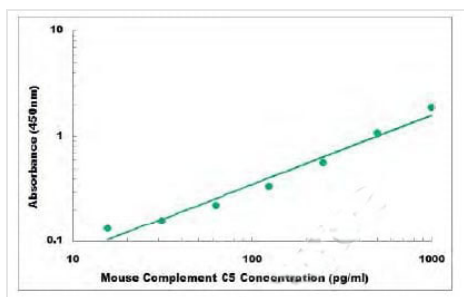
PRODUCT SYNONYMS

Complement C5; Mouse Complement C5 ELISA Kit; CPAMD4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4; C5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse Complement C5 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Complement C5 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	1680
Samples	Cell Culture Supernatants, Serum, Plasma
Assay Type	Quantitative Sandwich
Sensitivity	<10 pg/ml
Applicable Applications for C5 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C5 elisa kit

Principle of the Assay: The Mouse Complement C5 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Complement C5 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse Complement C5 coated on a 96-well plate. Standards and samples are pipetted into the wells and Complement C5 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Complement C5 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Complement C5 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.!!**Background/Introduction:** C5a is a protein fragment released from complement component C5. This gene is mapped to 9q33.2. The protein encoded by this gene is the fifth component of complement, which plays an important role in inflammatory and cell killing processes. This protein is comprised of alpha and beta polypeptide chains that are linked by a disulfide bridge. An activation peptide, C5a, which is an anaphylatoxin that possesses potent spasmogenic and chemotactic activity, is derived from the alpha polypeptide via cleavage with a convertase. The C5b macromolecular cleavage product can form a complex with the C6 complement component, and this complex is the basis for formation of the membrane attack complex, which includes additional complement components. Mutations in this gene cause complement component 5 deficiency, a disease where patients show a propensity for severe recurrent infections. Defects in this gene have also been linked to susceptibility to liver fibrosis and to rheumatoid arthritis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754164
NCBI GeneID	15139
NCBI Accession #	NP_034536.1
NCBI GenBank Nucleotide #	NM_010406.2
UniProt Accession #	P06684; A2AS36
Molecular Weight	188,878 Da
NCBI Official Full Name	complement C5 preproprotein
NCBI Official Synonym Full Names	hemolytic complement
NCBI Official Symbol	Hc
NCBI Official Synonym Symbols	C5; He; C5a
NCBI Protein Information	complement C5
UniProt Protein Name	Complement C5
UniProt Gene Name	C5
UniProt Synonym Gene Names	Hc
UniProt Entry Name	CO5_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/complement-c5/17890>