

Rat Coupling Factor 6 (CF6) ELISA Kit | CF6 elisa kit

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CATALOG #
AAA187940

REACTIVITY
Rat

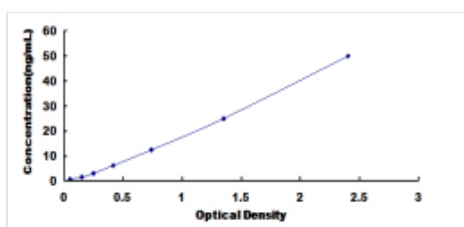
PRODUCT SYNONYMS

Coupling Factor 6 (CF6); Rat Coupling Factor 6 (CF6) ELISA Kit; ATP5J; ATP5A; ATP5; ATPM; ATP Synthase; H⁺ Transporting; Mitochondrial Fo Complex; Subunit F6; ATP synthase-coupling factor 6; mitochondrial; CF6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Coupling Factor 6 (CF6). No significant cross-reactivity or interference between Coupling Factor 6 (CF6) and analogues was observed.
Sequence Length	116
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.29ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Coupling Factor 6 (CF6) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Coupling Factor 6 (CF6) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CF6 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Coupling Factor 6 (CF6). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Coupling Factor 6 (CF6). 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 Coupling Factor 6 (CF6), 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 Coupling Factor 6 (CF6) 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 #	183786
NCBI GeneID	522
UniProt Accession #	P18859; J3KQ83
Molecular Weight	13,388 Da
NCBI Official Full Name	coupling factor 6
NCBI Official Synonym Full Names	ATP synthase peripheral stalk subunit F6
NCBI Official Symbol	ATP5PF
NCBI Official Synonym Symbols	F6; CF6; ATP5; ATPM; ATP5A; ATP5J
NCBI Protein Information	ATP synthase-coupling factor 6, mitochondrial
UniProt Protein Name	ATP synthase-coupling factor 6, mitochondrial
UniProt Gene Name	ATP5J
UniProt Synonym Gene Names	ATP5A; ATPM; ATPase subunit F6

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/rat-elisa-kits/coupling-factor-6-cf6/187940>