

Rat Ficolin 1 (FCN1) ELISA Kit | FCN1 elisa kit

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CATALOG #
AAA136104

REACTIVITY
Rat

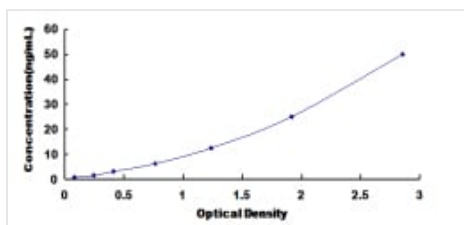
PRODUCT SYNONYMS

Ficolin 1 (FCN1); Rat Ficolin 1 (FCN1) ELISA Kit; FCNM; Collagen/fibrinogen domain-containing protein 1; Ficolin-alpha; Ficolin-A; M-ficolin; FCN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Ficolin 1 (FCN1). No significant cross-reactivity or interference between Ficolin 1 (FCN1) and analogues was observed.
Sequence Length	326
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	4.7-300ng/mL
Sensitivity	1.9ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ficolin 1 (FCN1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ficolin 1 (FCN1) 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 FCN1 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 Ficolin 1 (FCN1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ficolin 1 (FCN1). 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 Ficolin 1 (FCN1), 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 Ficolin 1 (FCN1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FCN1 elisa kit	Metabolic pathway; Infection immunity; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	8051584
NCBI GeneID	2219
NCBI Accession #	NP_001994.2
NCBI GenBank Nucleotide #	NM_002003.3
UniProt Accession #	O00602; Q5VYV5; Q92596
Molecular Weight	35,078 Da
NCBI Official Full Name	ficolin-1
NCBI Official Synonym Full Names	ficolin (collagen/fibrinogen domain containing) 1
NCBI Official Symbol	FCN1
NCBI Official Synonym Symbols	FCNM
NCBI Protein Information	ficolin-1
UniProt Protein Name	Ficolin-1
UniProt Gene Name	FCN1
UniProt Synonym Gene Names	FCNM
UniProt Entry Name	FCN1_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/rat-elisa-kits/ficolin-1-fcn1/136104>