

Rat Thrombin Activatable Fibrinolysis Inhibitor (TAFI) ELISA Kit | TAFI elisa kit

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CATALOG #
AAA183693

REACTIVITY
Rat

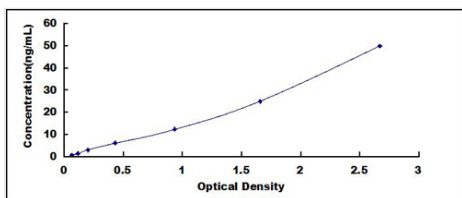
PRODUCT SYNONYMS

Thrombin Activatable Fibrinolysis Inhibitor (TAFI); Rat Thrombin Activatable Fibrinolysis Inhibitor (TAFI) ELISA Kit; CPB2; CPU; PCPB; Carboxypeptidase B2; Plasma Carboxypeptidase B; Carboxypeptidase U; TAFI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Thrombin Activatable Fibrinolysis Inhibitor (TAFI). No significant cross-reactivity or interference between Thrombin Activatable Fibrinolysis Inhibitor (TAFI) and analogues was observed.
Sequence Length	3
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	0.78-50ng/mL
Sensitivity	< 0.33ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thrombin Activatable Fibrinolysis Inhibitor (TAFI) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thrombin Activatable Fibrinolysis Inhibitor (TAFI) 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 TAFI 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 Thrombin Activatable Fibrinolysis Inhibitor (TAFI). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Thrombin Activatable Fibrinolysis Inhibitor (TAFI). 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 Thrombin Activatable Fibrinolysis Inhibitor (TAFI), 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 Thrombin Activatable Fibrinolysis Inhibitor (TAFI) 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 #	155624338
NCBI GeneID	56373
Molecular Weight	48,871 Da
NCBI Official Full Name	thrombin activatable fibrinolysis inhibitor, partial
NCBI Official Synonym Full Names	carboxypeptidase B2 (plasma)
NCBI Official Symbol	Cpb2
NCBI Official Synonym Symbols	CPR; Cpu; TAFI; AI255929; 1110032P04Rik; 4930405E17Rik
NCBI Protein Information	carboxypeptidase B2
UniProt Protein Name	Carboxypeptidase B2
UniProt Gene Name	Cpb2
UniProt Synonym Gene Names	Tafi; CPR; CPU; TAFI

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/thrombin-activatable-fibrinolysis-inhibitor-tafi/183693>