

## Human TAFI ELISA Kit | CPB2 elisa kit

Human TAFI ELISA Kit

CATALOG #  
**AAA263035**

REACTIVITY  
**Human**

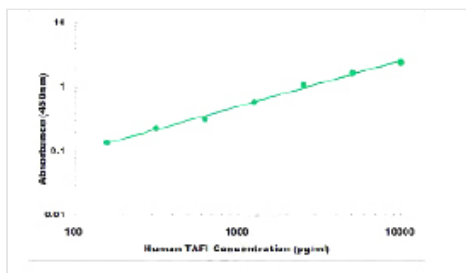
### PRODUCT SYNONYMS

TAFI; Human TAFI ELISA Kit; Carboxypeptidase B2; Carboxypeptidase U; CPU; Plasma carboxypeptidase B; pCPB; Thrombin-activable fibrinolysis inhibitor; CPB2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                    |
| Specificity             | The Human TAFI ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human TAFI proteins within the range of 156 pg/ml - 10000 pg/ml. |
| Sequence Length         | 386                                                                                                                                                                                      |
| Samples                 | Cell Culture Supernates, Serum, Plasma                                                                                                                                                   |
| Sensitivity             | <10 pg/ml                                                                                                                                                                                |
| 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 CPB2 elisa kit

**Principle of the Assay:** The Human TAFI ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human TAFI in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human TAFI coated on a 96-well plate. Standards and samples are pipetted into the wells and TAFI present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human TAFI 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 TAFI bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

**Background:** Carboxypeptidase B2 (CPB2), also known as carboxypeptidase U (CPU), plasma carboxypeptidase B (pCPB) or thrombin-activatable fibrinolysis inhibitor (TAFI), is an enzyme that, in humans, is encoded by the gene CPB2. CPB2 is synthesized by the liver and circulates in the plasma as a plasminogen-bound zymogen. When it is activated by proteolysis at residue Arg92 by the thrombin/thrombomodulin complex, CPB2 exhibits carboxypeptidase activity. Activated CPB2 reduces fibrinolysis by removing the fibrin C-terminal residues that are important for the binding and activation of plasminogen.

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 513126877                                      |
| NCBI GeneID                      | 1361                                           |
| NCBI Accession #                 | NP_001265470.1                                 |
| NCBI GenBank Nucleotide #        | NM_001278541.1                                 |
| UniProt Accession #              | Q96IY4; Q15114; Q5T9K1; Q5T9K2; Q9P2Y6; A8K464 |
| Molecular Weight                 | 40,922 Da                                      |
| NCBI Official Full Name          | carboxypeptidase B2 isoform 2 preproprotein    |
| NCBI Official Synonym Full Names | carboxypeptidase B2                            |
| NCBI Official Symbol             | CPB2                                           |
| NCBI Official Synonym Symbols    | CPU; PCPB; TAFI                                |
| NCBI Protein Information         | carboxypeptidase B2                            |
| UniProt Protein Name             | Carboxypeptidase B2                            |
| UniProt Gene Name                | CPB2                                           |
| UniProt Synonym Gene Names       | CPU; pCPB; TAFI                                |
| UniProt Entry Name               | CBPB2_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://www.aaabiotech.com/cpb2-human-elisa-kits/tafi/263035>