

## Goat Electron Transfer Flavoprotein Beta Polypeptide ELISA Kit | ETFbeta elisa kit

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CATALOG #  
**AAA95392**

REACTIVITY  
**Goat**

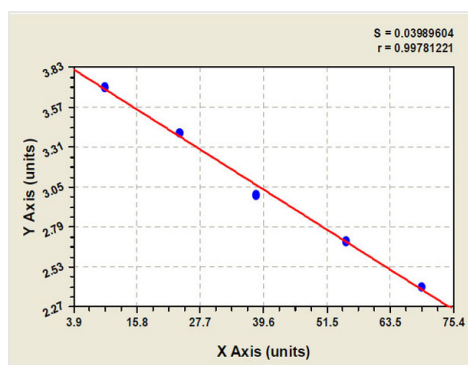
### PRODUCT SYNONYMS

Electron Transfer Flavoprotein Beta Polypeptide; Goat Electron Transfer Flavoprotein Beta Polypeptide ELISA Kit; ETFbeta elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Goat                                                                       |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ETFbeta elisa kit

**Intended Uses:** This ETFbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat ETFbeta. This ELISA kit for research use only!

**Principle of the Assay:** ETFbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ETFbeta antibody and an ETFbeta-HRP conjugate. The assay sample and buffer are incubated together with ETFbeta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ETFbeta concentration since ETFbeta from samples and ETFbeta-HRP conjugate compete for the anti-ETFbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by ETFbeta from the sample, fewer sites are left to bind ETFbeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ETFbeta concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| NCBI GI #                     | 145334707                                                        |
| NCBI GeneID                   | 834363                                                           |
| NCBI Accession #              | NP_001078699.1                                                   |
| NCBI GenBank Nucleotide #     | NM_001085230.2                                                   |
| Molecular Weight              | 23,792 Da                                                        |
| NCBI Official Full Name       | electron transfer flavoprotein subunit beta                      |
| NCBI Official Symbol          | ETFBETA                                                          |
| NCBI Official Synonym Symbols | electron transfer flavoprotein beta; ETFBETA; MWF20.14; MWF20_14 |
| NCBI Protein Information      | electron transfer flavoprotein subunit beta                      |
| UniProt Protein Name          | Electron transfer flavoprotein subunit beta, mitochondrial       |
| UniProt Gene Name             | ETFB                                                             |
| UniProt Synonym Gene Names    | At5g43430; MWF20.14; Beta-ETF                                    |
| UniProt Entry Name            | ETFB_ARATH                                                       |

**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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