

ENERGY METABOLISM AND BODY WEIGHT REGULATION

Immunoassays



HUMAN TREFOIL FACTOR 2 ELISA

Cat. No.: RD191159100R

RUO

Intended use

The RD191158100R Human Trefoil Factor 2 ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human Trefoil Factor 2.

- For research use only!
- The total assay time is less than 3 hours
- The kit measures total Trefoil Factor 2 in serum, plasma (EDTA, citrate, heparin) and bronchoalveolar lavage fluid
- Assay format is 96 wells
- Standard is recombinant protein
- Components of the kit are provided ready to use or lyophilized

Clinical application

- Energy metabolism and body weight regulation
- Immune Response
- Infection and Inflammation
- Oncology
- Sepsis

Immunoassays



Test principle

In the BioVendor Human Trefoil Factor 2 ELISA, standards and samples are incubated in microtitre plate wells pre-coated with polyclonal anti-human Trefoil Factor 2 antibody. After 60 minutes incubation and washing, polyclonal anti-human Trefoil Factor 2 antibody, conjugated with horseradish peroxidase (HRP) is added to the wells and incubated for 60 minutes with captured Trefoil Factor 2. Following another washing step, the remaining HRP conjugate is allowed to react with the

substrate solution (TMB). The reaction is stopped by addition of acidic solution and absorbance of the resulting yellow product is measured. The absorbance is proportional to the concentration of Trefoil Factor 2. A standard curve is constructed by plotting absorbance values against concentrations of Trefoil Factor 2 standards, and concentrations of unknown samples are determined using this standard curve.

HUMAN TREFOIL FACTOR 2 ELISA

CAT. NO.: RD191159100R

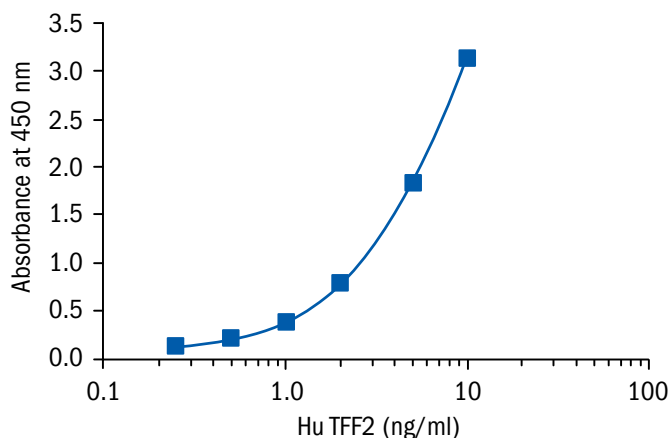
| | |
|--------------------|---|
| Assay format | Sandwich ELISA, HRP-labelled antibody, 96 wells/kit |
| Samples | Bronchoalveolar lavage, Plasma-EDTA, Plasma-Citrate, Plasma-Heparin, Serum |
| Standards | 0.25-10 ng/ml |
| Limit of detection | Limit of Detection (LOD) (defined as concentration of analyte giving absorbance higher than mean absorbance of blank* plus three standard deviations of the absorbance of blank: $A_{\text{blank}} + 3 \times SD_{\text{blank}}$) is calculated from the real Trefoil Factor 2 values in wells and is 0.044 ng/ml. *Dilution Buffer is pipetted into blank wells. |
| Cross-reactivity | Pig |

Summary of protocol

- Reconstitute Master Standard, prepare Set of Standards
- Dilute serum samples 5×
- Add 100 μ l Standards and samples
- Incubate at RT for 1 hour/300 rpm
- Wash plate 5 times
- Add 100 μ l Conjugate Solution
- Incubate at RT for 1 hour/300 rpm
- Wash plate 5 times
- Add 100 μ l Substrate Solution
- Incubate at RT for 10 min
- Add 100 μ l Stop Solution
- Read absorbance and calculate results

Related products

- Trefoil Factor 2 Human E. coli RD172159100
- Trefoil Factor 2 Human, Rabbit Polyclonal Antibody RD181159100
- Trefoil Factor 2 Human, Sheep Polyclonal Antibody RD184159100



Date of issue September 2013



BioVendor – Laboratorní medicína a.s.

Karasek 1767/1, 621 00 Brno, Czech Republic

Phone: +420 549 124 185, Fax: +420 549 211 460

E-mail: info@biovendor.com

› www.biovendor.com

› Visit www.biovendor.com to find more information about BioVendor products.