

# **Product datasheet**

info@arigobio.com

ARG82094 Rat TFF3 ELISA Kit Package: 96 wells Store at: 4°C

# Component

Cat. No.	Component Name	Package	Temp
ARG82094-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82094-002	Standard	2 X 10 ng/vial	4°C
ARG82094-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82094-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG82094-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82094-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG82094-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82094-008	25X Wash buffer	20 ml	4°C
ARG82094-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82094-010	STOP solution	10 ml (Ready to use)	4°C
ARG82094-011	Plate sealer	4 strips	Room temperature

### **Summary**

Product Description	ARG82094 Rat TFF3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat TFF3 in Serum,		
	plasma (heparin, EDTA) and cell culture supernatants.		

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Tested Reactivity Rat
Tested Application ELISA

**Specificity** There is no detectable cross-reactivity with other relevant proteins.

Target Name TFF3
Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 15.6 pg/ml

Sample Type Serum, plasma (heparin, EDTA) and cell culture supernatants.

Standard Range 31.2 - 2000 pg/ml

Sample Volume  $100 \ \mu l$ 

Precision Intra-Assay CV: 6.2%; Inter-Assay CV: 7.2%

Alternate Names P1B; TFI; ITF; Trefoil factor 3; Intestinal trefoil factor; hITF; hP1.B; Polypeptide P1.B

# **Application Instructions**

Assay Time ~ 5 hours

#### **Properties**

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test

reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol TFF3

Gene Full Name trefoil factor 3 (intestinal)

Background Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a

40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. This gene is expressed in goblet cells of the intestines and colon. This gene and two other related trefoil family member genes

are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]

Function Involved in the maintenance and repair of the intestinal mucosa. Promotes the mobility of epithelial

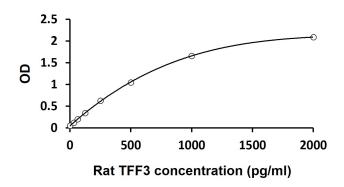
cells in healing processes (motogen). [UniProt]

Highlight Related products:

<u>TFF3 antibodies;</u> <u>TFF3 ELISA Kits;</u> New ELISA data calculation tool: <u>Simplify the ELISA analysis by GainData</u>

Cellular Localization Secreted, extracellular space, extracellular matrix. Cytoplasm. [UniProt]

#### **Images**



# ARG82094 Rat TFF3 ELISA Kit standard curve image

ARG82094 Rat TFF3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.