

ARG81530 Human pS2 / Trefoil factor 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81530-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81530-002	Standard	2 X 1 ng/vial	4°C
ARG81530-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81530-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81530-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81530-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81530-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81530-008	25X Wash buffer	20 ml	4°C
ARG81530-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81530-010	STOP solution	10 ml (Ready to use)	4°C
ARG81530-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81530 Human pS2 / Trefoil factor 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human pS2 / Trefoil factor 1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	pS2 / Trefoil factor 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0% Inter-Assay CV: 6.1%
Alternate Names	D21S21; pNR-2; Trefoil factor 1; PNR-2; BCEI; hP1.A; HPS2; pS2; Polypeptide P1.A; HP1.A; Protein pS2; Breast cancer estrogen-inducible protein

Application Instructions

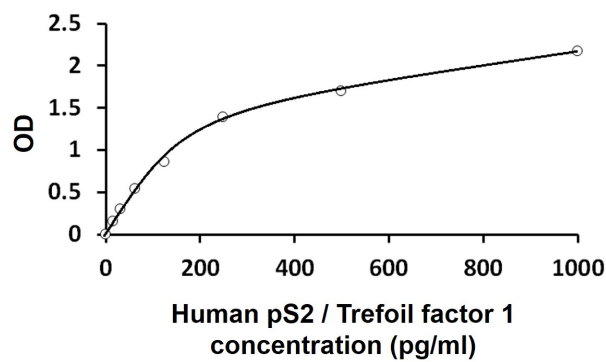
Assay Time	~ 5 hours
------------	-----------

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	TFF1
Gene Full Name	trefoil factor 1
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, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]
Function	Stabilizer of the mucous gel overlying the gastrointestinal mucosa that provides a physical barrier against various noxious agents. May inhibit the growth of calcium oxalate crystals in urine. [UniProt]
Highlight	Related products: Trefoil factor antibodies ; Trefoil factor ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81530 Human pS2 / Trefoil factor 1 ELISA Kit standard curve image

ARG81530 Human pS2 / Trefoil factor 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.