

## ARG82532 Human GIF / Gastric intrinsic factor ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82532-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82532-002	Standard	2 X 10 ng/vial	4°C
ARG82532-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82532-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82532-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82532-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82532-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82532-008	25X Wash buffer	20 ml	4°C
ARG82532-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82532-010	STOP solution	10 ml (Ready to use)	4°C
ARG82532-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82532 Human GIF / Gastric intrinsic factor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human GIF / Gastric intrinsic factor in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	GIF / Gastric intrinsic factor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.3%

Inter-Assay CV: 5.5%

#### Alternate Names

Gastric intrinsic factor; IFMH; TCN3; Intrinsic factor; INF; IF

## 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

GIF

#### Gene Full Name

gastric intrinsic factor (vitamin B synthesis)

#### Background

This gene is a member of the cobalamin transport protein family. It encodes a glycoprotein secreted by parietal cells of the gastric mucosa and is required for adequate absorption of vitamin B12. Vitamin B12 is necessary for erythrocyte maturation and mutations in this gene may lead to congenital pernicious anemia. [provided by RefSeq, Jul 2008]

#### Function

Promotes absorption of the essential vitamin cobalamin (Cbl) in the ileum. After interaction with CUBN, the GIF-cobalamin complex is internalized via receptor-mediated endocytosis. [UniProt]

#### Highlight

Related products:

[GIF antibodies](#); [GIF ELISA Kits](#);

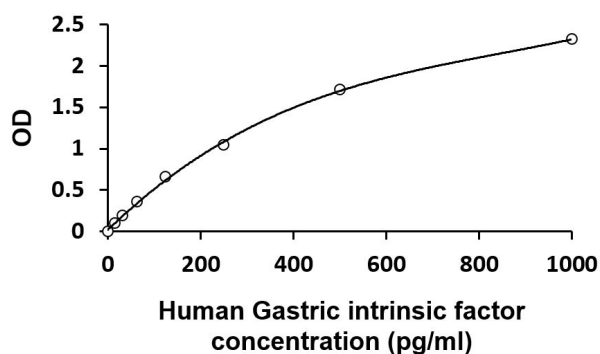
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

#### Cellular Localization

Secreted. [UniProt]

## Images



ARG82532 Human GIF / Gastric intrinsic factor ELISA Kit standard curve image

ARG82532 Human GIF / Gastric intrinsic factor ELISA Kit results of a typical standard run with optical density reading at 450 nm.