

# **Product datasheet**

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# ARG81739 Human HGFA Inhibitor 2 ELISA Kit

Package: 96 wells Store at: 4°C

## Component

Cat. No.	Component Name	Package	Temp
ARG81739-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81739-002	Standard	2 X 10 ng/vial	4°C
ARG81739-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81739-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81739-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81739-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81739-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81739-008	25X Wash buffer	20 ml	4°C
ARG81739-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81739-010	STOP solution	10 ml (Ready to use)	4°C
ARG81739-011	Plate sealer	4 strips	Room temperature

## Summary

**Tested Application** 

Product Description	ARG81739 Human HGFA Inhibitor 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of
	Human HGFA Inhibitor 2 in serum, plasma (heparin, EDTA) and cell culture supernatants.

Tested Reactivity Hu

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

Target Name HGFA Inhibitor 2

Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

ELISA

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: 5.8%; Inter-Assay CV: 6.1%

Alternate Names HAI2; Kunitz-type protease inhibitor 2; PB; Placental bikunin; HAI-2; Hepatocyte growth factor activator

inhibitor type 2; Kop; DIAR3

## **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 SPINT2

Gene Full Name serine peptidase inhibitor, Kunitz type, 2

Background This gene encodes a transmembrane protein with two extracellular Kunitz domains that inhibits a

variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This gene is a putative tumor suppressor, and mutations in this gene result in congenital sodium diarrhea. Multiple transcript variants encoding different isoforms have been found

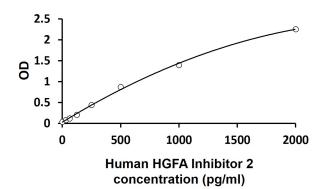
for this gene. [provided by RefSeq, Oct 2009]

Function Inhibitor of HGF activator. Also inhibits plasmin, plasma and tissue kallikrein, and factor XIa. [UniProt]

Highlight Related products:

HGFA Inhibitor ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

#### **Images**



#### ARG81739 Human HGFA Inhibitor 2 ELISA Kit standard curve image

ARG81739 Human HGFA Inhibitor 2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.