



BMA BIOMEDICALS



Peninsula Laboratories

S-1172

**Growth Hormone Releasing Factor (human) ELISA
[UniProt: P01286]**

Growth hormone-releasing factor (GRF), also known as Somatocrinin, is a 44 amino acid peptide hormone produced in the arcuate nucleus of the hypothalamus. GRF stimulates growth hormone production and release by binding to the GRF receptor (GHRHR) on cells in the anterior pituitary.

This ELISA was developed with serum from rabbits immunized with GRF coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO2142
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from production date. Store refrigerated at 4° - 8°C.
Applications:	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see www.bma.ch for protocols and general information.
Range:	0 - 25ng/ml
Average IC50:	0.7ng/ml
Immunogen:	Synthetic peptide H-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH2 coupled to carrier protein.

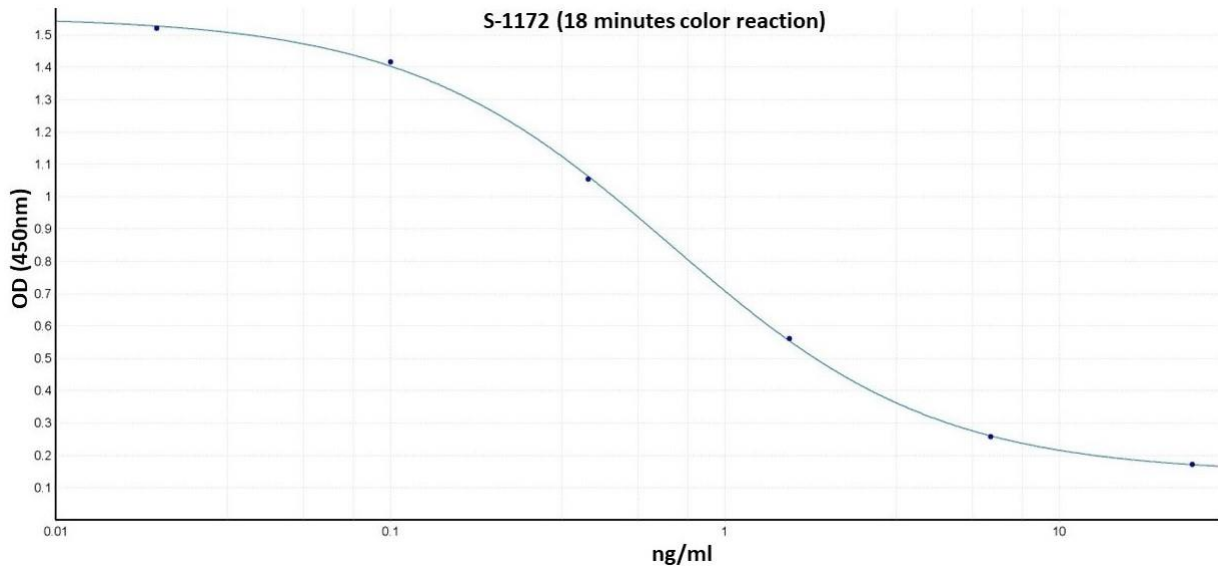
Cross-Reactivity:

PEPTIDE:	%:
GRF (human)	100
GRF (porcine)	100
GRF (rat)	100
GRF (bovine)	100
GRF (ovine, caprine)	100
GRF (1-40) (human)	100
GRF (1-37) (human)	80
GRF (1-29) amide (human)	30
GRF (30-44) (human)	0

Cross-Reactivity (continued):

PEPTIDE:	%:
VIP (human, bovine, porcine, rat)	0
Human Growth Hormone	0
Secretin (human)	0
GIP	0

Typical titration curve of GRF in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.02 to 25ng/ml
Stock	1000	
S1	25.00	Add 25µl Stock + 975µl diluent
S2	6.25	Add 200µl S1 + 600µl diluent
S3	1.56	Add 200µl S2 + 600µl diluent
S4	0.39	Add 200µl S3 + 600µl diluent
S5	0.10	Add 200µl S4 + 600µl diluent
S6	0.02	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

Related Products:

- T-4060: anti GRF (hu) purified IgG
- T-4374: anti GRF (30-44) (hu) purified IgG
- T-4061: anti GRF (hu) neat antiserum
- T-4059: anti GRF (hu) diluted antiserum
- T-4377: anti GRF (rt) diluted antiserum
- T-4079: anti GRF (rt) neat antiserum

This product is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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EIAS – hu

15.4.2021