



BMA BIOMEDICALS



Peninsula Laboratories

S-1308

Kisspeptin 54 (Metastin) (human) ELISA [UniProt: Q15726]

Kisspeptin 54 or Metastin is generated from the proteolytic cleavage of Kisspeptin 145, encoded by the KISS-1 gene located on chromosome 1. The C-terminally amidated peptide Metastin functions as the endogenous ligand of the G-protein coupled receptor GPR54. Activation of the receptor inhibits cell proliferation and cell migration, key characteristics of tumor metastasis. Activation of GPR54 has an important role in initiating secretion of gonadotropin-releasing hormone (GnRH) at puberty. Also, it can stimulate the secretion of aldosterone and the release of insulin.

This ELISA was developed with serum from rabbits immunized with Kisspeptin 54 coupled to a carrier protein.

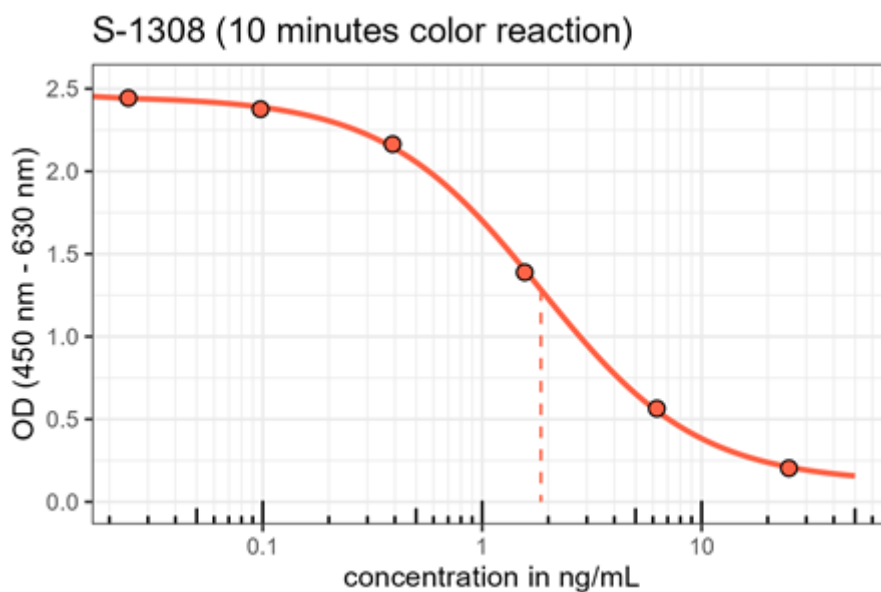
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO23031
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:	1.9ng/ml
Immunogen:	Synthetic peptide H-Gly-Thr-Ser-Leu-Ser-Pro-Pro-Pro-Glu-Ser-Ser-Gly-Ser-Arg-Gln-Gln-Pro-Gly-Leu-Ser-Ala-Pro-His-Ser-Arg-Gln-Ile-Pro-Ala-Pro-Gln-Gly-Ala-Val-Leu-Val-Gln-Arg-Glu-Lys-Asp-Leu-Pro-Asn-Tyr-Asn-Trp-Asn-Ser-Phe-Gly-Leu-Arg-Phe-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Kisspeptin 54 (Human)	100
Kisspeptin-13 (4-13) (Human)	0
Kisspeptin-54 (27-54) (Human)	0

Typical titration curve of Kisspeptin 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 Product: S-1255: Kisspeptin 13 (4-13, human) ELISA, high sensitivity for extracted samples

This product contains ProClin™ 150 as a preservative and 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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EIAH – hu

04.04.2023