



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1392

### Oxyntomodulin (Glucagon-37) (human, mouse, rat) ELISA

Oxyntomodulin (OXM) a 37-amino acid peptide hormone found in the colon, produced by the oxyntic cells of the oxyntic mucosa. It is known to suppress appetite and causes weight loss in humans and rodents. Oxyntomodulin activates both the glucagon-like peptide-1 receptor (GLP1R) and the glucagon receptor (GCGR). It contains the same sequence as Glucagon (1-29), but with an additional KRNKNIA C-terminal sequence.

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

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

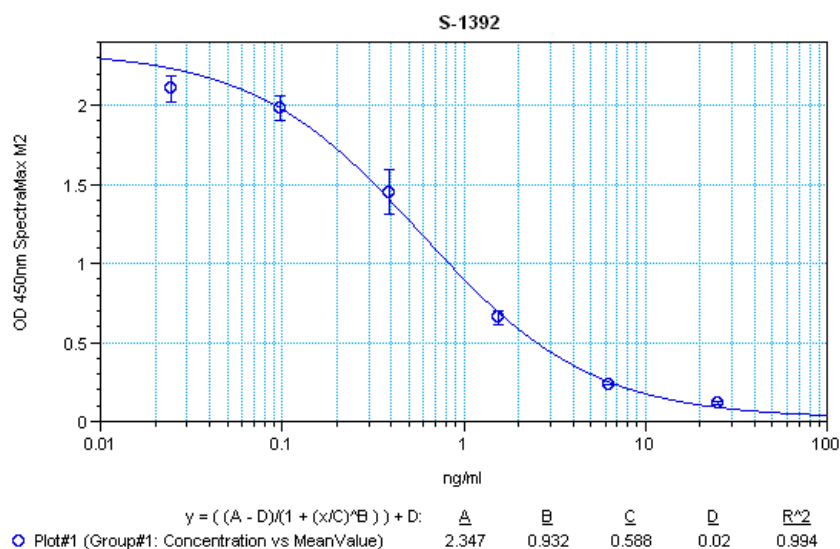
<b>Lot number:</b>	A14912
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	96 tests
<b>Format:</b>	Formulated for extracted samples (EIAH type).
<b>Shelf-life:</b>	One year from production date. Store refrigerated at 4° - 8°C.
<b>Applications:</b>	This ELISA has been validated with the included reagents. It is intended to be used with appropriately extracted samples (original protocol III, Std.Ab1hr.Bt). For research use only. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Range:</b>	0-25ng/ml
<b>Average IC50:</b>	0.6ng/ml
<b>Immunogen:</b>	Synthetic peptide H-His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-Lys-Arg-Asn-Arg-Asn-Asn-Ile-Ala-OH coupled to carrier protein.

#### Cross-Reactivity:

PEPTIDE:	%:
Oxyntomodulin (human, mouse, rat)	100
Oxyntomodulin (porcine)	100
Glucagon (1-29) (human, bovine, porcine)	31
GLP-1 (1-37) (human, bovine, guinea pig, mouse, rat)	12.9
GLP-1 (1-36) amide (human, bovine, guinea pig, mouse, rat)	0
GLP-1 (7-36) amide	0
GLP-1 (7-37)	0
GLP-2 (human)	0

Cross-Reactivity data is taken from Radioimmunoassay applications.

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



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

Related Products: T-4799: Rabbit anti Oxyntomodulin (hu, ms, rt), diluted antiserum  
 T-4801: Rabbit anti Oxyntomodulin (hu, ms, rt), neat antiserum  
 T-4800: Rabbit anti Oxyntomodulin (hu, ms, rt), purified IgG

This product contains Thimerosal 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

1.3.2021