



BMA BIOMEDICALS



Peninsula Laboratories

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## S-1551

### Dulaglutide ELISA

Dulaglutide is a glucagon-like peptide-1 receptor agonist (GLP-1 agonist) consisting of a GLP-1 (7-37) analog covalently linked to an Fc fragment of human IgG4. It acts similarly to GLP-1 by increasing the amount of insulin released by the pancreas following food ingestion. It is known in the treatment of type 2 diabetes mellitus to lower blood glucose levels.

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

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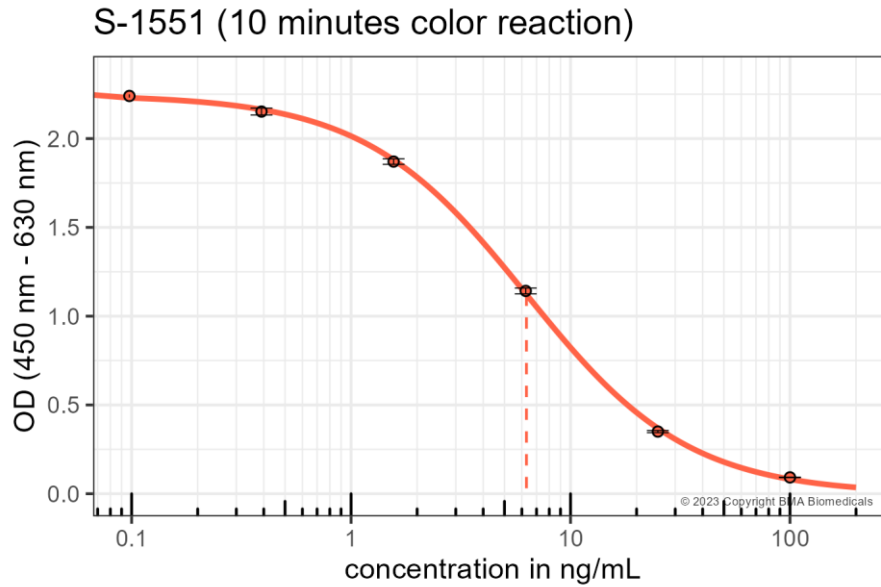
#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A18PO23104
<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 with the enclosed protocol. 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 - 100 ng/ml
<b>Average IC50:</b>	6.3 ng/ml
<b>Immunogen:</b>	Synthetic peptide H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Glu-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Gly-Gly-OH coupled to carrier protein.

#### Cross-Reactivity:

Peptide:	%:
Dulaglutide	100

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



Suggested Preparation of Standards		
	ng/ml	Range: 0.10 to 100ng/ml
<b>Stock</b>	1000	
<b>S1</b>	100.00	Add 100µl Stock + 900µl diluent
<b>S2</b>	25.00	Add 200µl S1 + 600µl diluent
<b>S3</b>	6.25	Add 200µl S2 + 600µl diluent
<b>S4</b>	1.56	Add 200µl S3 + 600µl diluent
<b>S5</b>	0.39	Add 200µl S4 + 600µl diluent
<b>S6</b>	0.10	Add 200µl S5 + 600µl diluent
<b>S0</b>	0.00	500µl diluent

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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17.11.2023