



BMA BIOMEDICALS



Peninsula Laboratories

Apraglutide ELISA

Apraglutide is a long-acting synthetic analog of glucagon-like peptide-2 (GLP-2), designed to treat intestinal disorders such as Short Bowel Syndrome with Intestinal Failure (SBS-IF) and gastrointestinal Graft-versus-Host Disease (GVHD). It works by activating GLP-2 receptors in the gut, promoting intestinal growth, enhancing nutrient and fluid absorption, and improving gut barrier integrity, with the added benefit of a longer half-life allowing for once-weekly subcutaneous dosing. Clinical trials have shown promising results in reducing dependence on parenteral nutrition and improving quality of life for patients with SBS2.

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

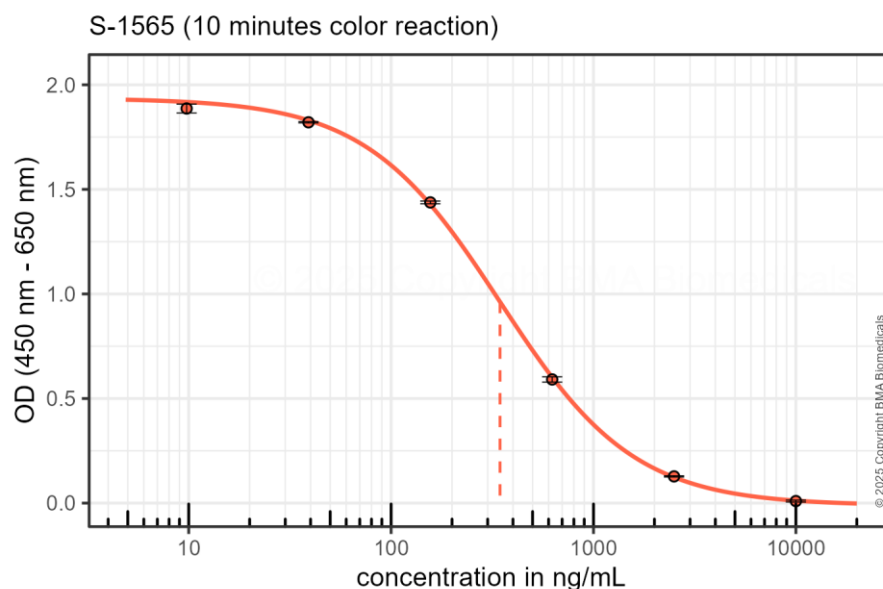
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product number:	S-1565 (Lot A18PO25076)
Host species:	Rabbit IgG
Quantity:	96 tests
Format:	Formulated for extracted samples (EIAH type).
Shelf-life:	One year from date of purchase. 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. For research use only. Please see www.bma.ch for protocols and general information.
Std Range:	0 - 10'000 ng/ml
Linear Range:	110.3 - 1'110.8 ng/ml
Lower LOQ:	16.4 ng/ml
Average IC₅₀:	350.0 ng/ml
Average CV:	5.9% (intra-assay)
Immunogen:	Synthetic peptide H-His-Gly-Asp-Gly-Ser-Phe-Ser-Asp-Glu-{Nle}-{d-Phe}-Thr-Ile-Leu-Asp-Leu-Leu-Ala-Arg-Asp-Phe-Ile-Asn-Trp-Leu-Ile-Gln-Thr-Lys-Ile-Thr-Asp-NH ₂ , coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Apraglutide	100

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



Suggested Preparation of Standards		
	ng/ml	Range: 0 to 10'000 ng/ml
Stock	10'000	
S1	10'000	1'000 µl Stock
S2	2'500	Add 250 µl S1 + 750 µl diluent
S3	625	Add 250 µl S2 + 750 µl diluent
S4	156.25	Add 250 µl S3 + 750 µl diluent
S5	39.06	Add 250 µl S4 + 750 µl diluent
S6	9.77	Add 250 µl S5 + 750 µl diluent
S0	0	1000 µl diluent

This product contains ProClin™ 150 as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.