



BMA BIOMEDICALS



Peninsula Laboratories

S-1537

FOXO4-DRI ELISA

FOXO4-DRI is a synthetic protein that has been shown in research to prevent normal FOXO4 binding to p53, allowing elimination of senescent cells, improved organ function, and younger tissue “biological age.” FOXO4-DRI impacts insulin signaling, cell cycle regulation, and oxidative stress signaling pathways. It is a cell penetrating peptide shown to selectively induce apoptosis of senescent cells thereby reversing effects of aging in animal studies.

This ELISA was developed with serum from rabbits immunized FOXO4-DRI with coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number: n/a

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: 0-500ng/ml

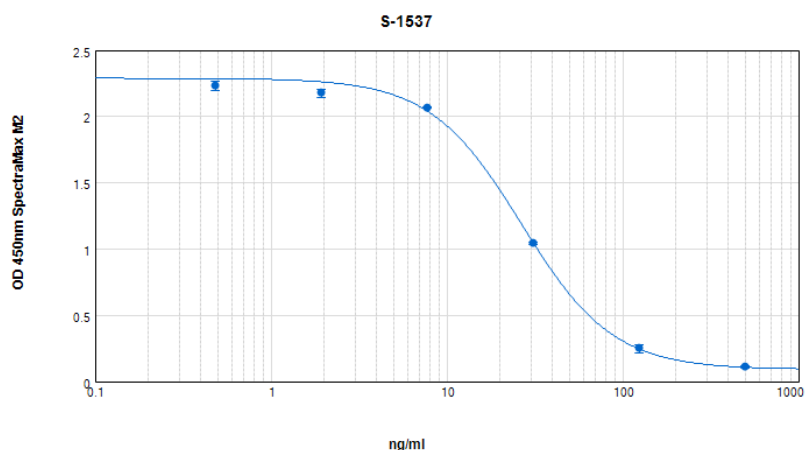
Average IC50: 25ng/ml

Immunogen: Synthetic peptide H-D-Leu-D-Thr-D-Leu-D-Arg-D-Lys-D-Glu-D-Pro-D-Ala-D-Ser-D-Glu-D-Ile-D-Ala-D-GlnD-Ser-D-Ile-D-Leu-D-Glu-D-Ala-D-Tyr-D-Ser-D-Gln-D-Asn-Gly-D-Trp-D-Ala-D-Asn-D-Arg-D-Arg-D-Ser-Gly-Gly-D-Lys-D-Arg-D-Pro-D-Pro-D-Pro-D-Arg-D-Arg-D-Arg-D-Gln-D-Arg-D-Arg-D-Lys-D-Lys-D-Arg-Gly-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
FOXO4-DRI	100

Typical titration curve of FOXO4-DRI in a competitive ELISA with this antibody:



Suggested Preparation of Standards		
	ng/ml	Range: 0.49 to 500ng/ml
Stock	1000	
S1	500.00	Add 250µl Stock + 250µl diluent
S2	125.00	Add 200µl S1 + 600µl diluent
S3	31.25	Add 200µl S2 + 600µl diluent
S4	7.81	Add 200µl S3 + 600µl diluent
S5	1.95	Add 200µl S4 + 600µl diluent
S6	0.49	Add 200µl S5 + 600µl diluent
S0	0.00	500µl diluent

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

1.03.2021