BMA BIOMEDICALS

Peninsula Laboratories

S-1539

Bone Forming Peptide-2 (BFP-2) (human) ELISA

Bone Forming Peptide-2 (BFP-2) is a peptide derived from the immature region of the Bone Morphogenetic Proteins-7 (BMP-7). It is known to enhance osteogenic differentiation of multipotent bone marrow stromal stem cells (BMSCs) and upregulate biological markers of osteogenesis. First studies suggest that BFP-2 may be used as an osteogenic stimulator instead of BMP-7 in future clinical trials of bone generation engineering.

This ELISA was developed with serum from rabbits immunized with Bone Forming Peptide-2 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:	0-100ng/ml
Average IC50:	6ng/ml
Immunogen:	Synthetic peptide H-Val-Glu-His-Asp-Lys-Glu-Phe-Phe-His-Pro-Arg-Tyr-His-His-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Bone Forming Peptide-2 (BFP-2) (human)	100
Bone-Forming Peptide-1 (BFP-1) (human)	0

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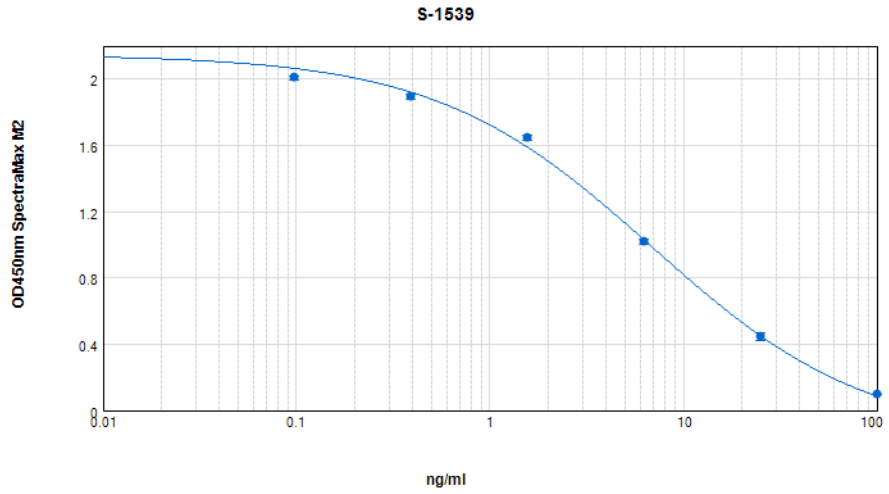
Typical titration curve of Bone Forming Peptide-2 in a competitive ELISA with this antibody:



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

Related Products: S-1538: Bone Forming Peptide-1, ELISA (hu)

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.

S-1539 EIAH 1.03.2021

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