

Product datasheet for **BP920**

BMP10 (86-96) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	Peptide-ELISA: 1/50 - 1/200. In a simple ELISA using 1 µg of antigen coated per well, the 50% OD was observed at an antibody dilution of 1/100. With 1 µg of peptide-BSA coated per well the 50% OD was observed at 1/2500. Under the same conditions the end point was observed at 1/80K. Competitive ELISA: pep-BSA plates, coated at 1 µg/well, antibody diluted 1/10K. Pep-BSA displaces in the range 0.1 to 100 µg/ml. The free peptide does not displace in this assay system.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugate; sequence: C-L-D-K-G-V-V-T-Y-K-F-K
Specificity:	Bone Morphogenetic Protein 10 (BMP-10) 86-96.
Formulation:	PBS, pH 7.2, with 0.09% sodium azide as preservative. State: Purified State: Liquid, purified immunoglobulin fraction
Concentration:	lot specific
Purification:	Ammonium sulphate fractionation
Conjugation:	Unconjugated
Storage:	Shipping 2-8°C. Upon receipt aliquot and store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	bone morphogenetic protein 10
Database Link:	Entrez Gene 27302 Human O95393



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Background: Bone morphogenetic protein-10 (BMP10) belongs to the transforming growth factor beta (TGF β) family. BMPs, named for their initial biological activity of inducing ectopic bone formation, have been linked to multiple steps of cardiac development. BMP10 is translated as a precursor protein (preproprotein) with N-terminal hydrophobic leader peptide followed by prodomain and the mature C-terminal region that is released after the cleavage at multibasic motif RXRR. Data strongly suggest that BMP10 is an essential component in modulating cardiomyocyte proliferation and maturation during cardiac ventricular development.

Synonyms: Bone morphogenetic protein 10, BMP-10