

Rat BMP-7 AccuSignal ELISA Kit - KOA0871
Code: KOA0871

Size: 1 Kit

Product Description: Rat BMP-7 AccuSignal ELISA Kit - KOA0871

PhysicalState:

Label	Unconjugated
Gene Name	BMP-7
Species Reactivity	Rat
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Synonyms	BMP 7, BMP7, BMP-7, Bone morphogenetic protein 7, Eptotermin alfa, OP 1, OP1, OP1-, Osteogenic protein 2
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml rat BMP-7 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat bone tissue, cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each rat BMP-7 standard solution and each sample be measured in duplicate.
Background	Bone morphogenetic protein 7 or BMP7 (also known as osteogenic protein-1 or OP-1) is a protein that in humans is encoded by the BMP7 gene. The protein encoded by this gene is a member of the TGF- superfamily. Like other members of the bone morphogenetic protein family of proteins, it plays a key role in the transformation of mesenchymal cells into bone and cartilage. It is inhibited by noggin and a similar protein, chordin, which are expressed in the Spemann-Mangold Organizer. BMP7 may be involved in bone homeostasis. It is expressed in the brain, kidneys and bladder.
Purity And Specificity	Natural and recombinant rat BMP-7. There is no detectable cross-reactivity with other relevant proteins.
ELISA	31.2pg/ml-2000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: CHO; Immunogen sequence: S292-H430
Anti-Coagulant	Heparin Sodium
Related Products	
MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000
Related Links	
	UniProtKB - G3V6W8
	http://www.uniprot.org/uniprot/G3V6W8
NCBI - 85272	http://www.ncbi.nlm.nih.gov/protein/NP_001178785.1
	GeneID - 85272
	http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=85272
KOA0871 Protocol	http://www.rockland-inc.com/uploadedfiles/Support/KOA0871.pdf

Disclaimer

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