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Datasheet for ABIN5510533 BMP2 ELISA Kit

Image



Overview

Quantity:	96 tests
Target:	BMP2
Binding Specificity:	AA 283-396
Reactivity:	Monkey
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of monkey primate BMP-2
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: CHO Immunogen sequence: Q283-R396
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

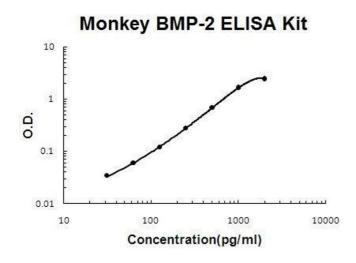
Target:	BMP2
Alternative Name:	BMP2 (BMP2 Products)
Background:	Background: Bone morphogenetic protein-2(BMP-2, BMP 2A) belongs to the transforming

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	growth factor beta(TGF-beta) superfamily. It is thought to be involved in cartilage and bone
	formation during embryogenesis, but may have additional functions in morphogenesis as
	implied by its expression in various organs and embryonic tissues of mice.1 BMP-2 has been
	identified as a candidate mediator of retinoid activity. BMP-2 protein induces medulloblastoma
	cell apoptosis, whereas the BMP-2 antagonist noggin blocks both retinoid and BMP-2-induced
	apoptosis. BMP-2 also induces p38 mitogen-activated protein kinase(MAPK), which is
	necessary for BMP-2 and retinoid-induced apoptosis.2 Bone morphogenic proteins(BMPs) are
	known to promote osteogenesis, and clinical trials are currently underway to evaluate the ability
	of certain BMPs to promote fracture-healing and spinal fusion.3 The standard product used in
	this kit is recombinant monkey primate BMP-2, constituting dimer by two chains of 114 amino
	acids with the molecular mass of 26KDa.
	Synonyms: Bone morphogenetic protein 2 ,BMP2 ,
	Full Gene Name: bone morphogenetic protein 2
UniProt:	C8C060
Pathways:	Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process,
	Regulation of Muscle Cell Differentiation, Growth Factor Binding, Positive Regulation of fat Cell
	Differentiation

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	4 °C,-20 °C
Storage: Storage Comment:	4 °C,-20 °C Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)



ELISA

Image 1. Monkey Primate BMP-2 PicoKine ELISA Kit standard curve

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