

Datasheet for ABIN5510525

**BMP5 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	BMP5
Binding Specificity:	AA 317-454
Reactivity:	Dog
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Dog Caninea BMP-5
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: A317-H454
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Sequence similarities: Belongs to the TGF-beta family. Tissue Specificity: Expressed in the lung and liver.

## Target Details

Target:	BMP5
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## Target Details

Alternative Name: BMP5 ([BMP5 Products](#))

Background: Protein Function: Induces cartilage and bone formation.

Background: Bone morphogenetic protein 5 is a protein that in Dog Canineas is encoded by the BMP5 gene.<sup>1,2,3</sup> The protein encoded by this gene is member of the TGFbeta superfamily. Bone morphogenetic proteins are known for their ability to induce bone and cartilage development. BMP5 may play a role in certain cancers. Like other BMP's BMP5 is inhibited by chordin and noggin. It is expressed in the trabecular meshwork and optic nerve head and may have a role in the development and normal function. It is also expressed in the lung and liver. BMP-5 is mapped on Dog Caninea chromosome 6.<sup>4</sup> The standard used in this kit is recombinant BMP-5 with the monomer molecular mass of 18KDa.

Synonyms: Bone morphogenetic protein 5,BMP-5,BMP5,

Full Gene Name: Bone morphogenetic protein 5

Cellular Localisation: Secreted.

UniProt: [P22003](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#)

## Application Details

Plate: Pre-coated

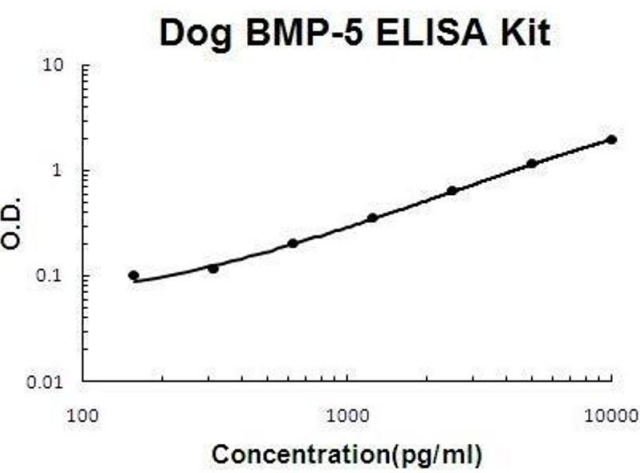
Restrictions: For Research Use only

## Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4 °C for 6 months, at -20 °C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months



ELISA

**Image 1.** Dog BMP-5 PicoKine ELISA Kit standard curve