

Datasheet for ABIN5510748

**GDF2 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	GDF2
Binding Specificity:	AA 319-428
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse BMP-9
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: CHO, Immunogen sequence: S319-R428
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

## Target Details

Target:	GDF2
Alternative Name:	Gdf2 ( <a href="#">GDF2 Products</a> )
Background:	Protein Function: Potent circulating inhibitor of angiogenesis. Could be involved in bone formation. Signals through the type I activin receptor ACVRL1 but not other Alks. Signaling

## Target Details

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through SMAD1 in endothelial cells requires TGF-beta coreceptor endoglin/ENG.

Background: Growth differentiation factor 2 (GDF2) also known as bone morphogenetic protein (BMP)-9 is a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates cartilage and bone development, angiogenesis and differentiation of cholinergic central nervous system neurons. Homozygous null mice exhibit malformations of the vasculature and skeleton.

Synonyms: Growth/differentiation factor 2, GDF-2, Bone morphogenetic protein 9, BMP-9, Gdf2, Bmp9,

Full Gene Name: growth differentiation factor 2

Cellular Localisation: Secreted.

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UniProt:	<a href="#">Q9WV56</a>
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Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>
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## Application Details

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Plate:	Pre-coated
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Restrictions:	For Research Use only
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## Handling

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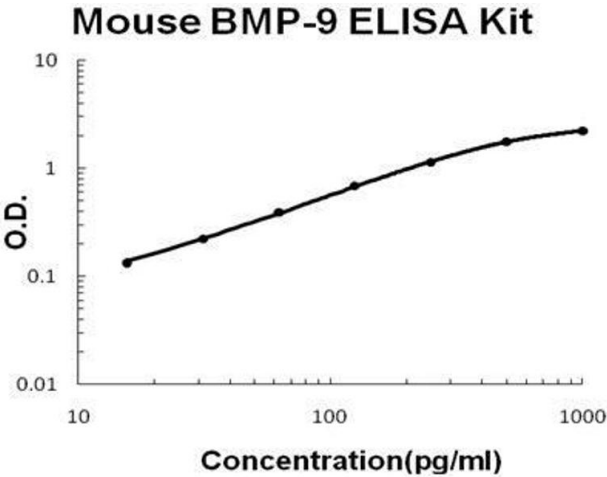
Storage:	4 °C,-20 °C
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Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
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Expiry Date:	12 months
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**ELISA**

**Image 1.** Mouse BMP-9 PicoKine ELISA Kit standard curve