

BMP-6 elisa kit

Rat BMP-6 PicoKine ELISA Kit

CATALOG # AAA124865	REACTIVITY Rat There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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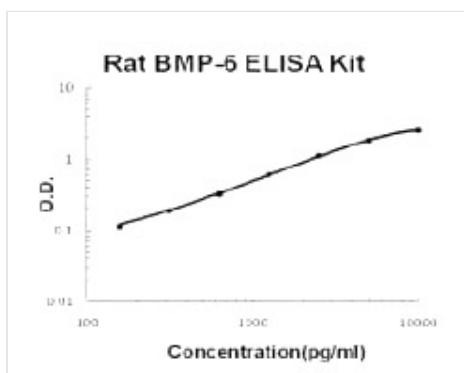
PRODUCT SYNONYMS

BMP-6; Rat BMP-6 PicoKine ELISA Kit; Bone morphogenetic protein 6; VG-1-related protein; VGR-1; Bmp6; Bmp-6; Vgr; BMP-6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Rat BMP-6
Sequence Length	506
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for BMP-6 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP-6 elisa kit	Principle of the Assay: Rat BMP-6 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for BMP-6 has been precoated onto 96- well plates. Standards(Expression system for standard: CHO, Immunogen sequence: S368-H506) and test samples are added to the wells, a biotinylated detection a biotinylated polyclonal antibody from goat specific for BMP-6 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat BMP-6 amount of sample captured in plate. Background: The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, BMP-6 has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has lead to speculation of possible bone inductive activity.
Product Categories/Family for BMP-6 elisa kit	Signal Transduction; Growth Factors/Hormones; TGF; Signal Transduction; Cytoskeleton/ECM; Extracellular Matrix; Structures; Bone; Cell Biology; Cell Cycle; Cell Differentiation; Stem Cells; Signaling Pathways; TGF Beta; Secreted

NCBI AND UNIPROT INFORMATION

NCBI GI #	29789038
NCBI GeneID	25644
NCBI Accession #	NP_037239.1
NCBI GenBank Nucleotide #	NM_013107.1
UniProt Accession #	Q04906; Q811S4
Molecular Weight	56,223 Da
NCBI Official Full Name	bone morphogenetic protein 6
NCBI Official Synonym Full Names	bone morphogenetic protein 6
NCBI Official Symbol	Bmp6
NCBI Official Synonym Symbols	VGR
NCBI Protein Information	bone morphogenetic protein 6
UniProt Protein Name	Bone morphogenetic protein 6
UniProt Gene Name	Bmp6
UniProt Synonym Gene Names	Bmp-6; Vgr; BMP-6; VGR-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/bmp-6/124865>