

Sheep Bone Morphogenetic Protein 4 ELISA Kit | BMP4 elisa kit

Sheep Bone Morphogenetic Protein 4 ELISA Kit

CATALOG #
AAA88564

REACTIVITY
Sheep

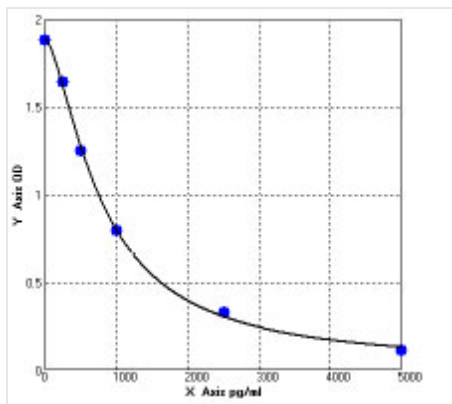
PRODUCT SYNONYMS

Bone Morphogenetic Protein 4; Sheep Bone Morphogenetic Protein 4 ELISA Kit; BMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP4. No significant cross-reactivity or interference between BMP4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BMP4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP4 elisa kit	Intended Uses: This BMP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep BMP4. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BMP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-BMP4 antibody and an BMP4-HRP conjugate. The assay sample and buffer are incubated together with BMP4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BMP4 concentration since BMP4 from samples and BMP4-HRP conjugate compete for the anti-BMP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP4 from the sample, fewer sites are left to bind BMP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for BMP4 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	2149144
NCBI GeneID	30612
Molecular Weight	45,758 Da
NCBI Official Full Name	BMP4
NCBI Official Synonym Full Names	bone morphogenetic protein 4
NCBI Official Symbol	bmp4
NCBI Official Synonym Symbols	bmp-4; zbmp-4; zgc:100779
NCBI Protein Information	bone morphogenetic protein 4; etID309887.17
UniProt Protein Name	BMP4
UniProt Gene Name	bmp4
UniProt Synonym Gene Names	BMP4
UniProt Entry Name	O13107_DANRE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/bmp4-sheep-elisa-kits/bone-morphogenetic-protein-4/88564>