

Sheep Bone Morphogenetic Protein 15 ELISA Kit | BMP15 elisa kit

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CATALOG #
AAA88879

REACTIVITY
Sheep

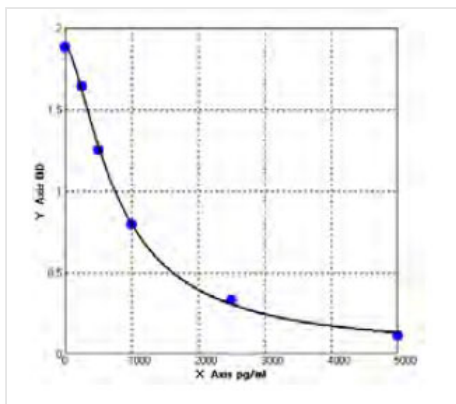
PRODUCT SYNONYMS

Bone Morphogenetic Protein 15; Sheep Bone Morphogenetic Protein 15 ELISA Kit; BMP15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP-15. No significant cross-reactivity or interference between BMP-15 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BMP-15 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 BMP15 elisa kit	Intended Uses: This BMP-15 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep BMP-15. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BMP-15 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BMP-15 antibody and an BMP-15-HRP conjugate. The assay sample and buffer are incubated together with BMP-15-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 BMP-15 concentration since BMP-15 from samples and BMP-15-HRP conjugate compete for the anti-BMP-15 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP-15 from the sample, fewer sites are left to bind BMP-15-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP-15 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for BMP15 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	257743454
NCBI GeneID	9210
NCBI Accession #	NP_005439.2
NCBI GenBank Nucleotide #	NM_005448.2
Molecular Weight	45,055 Da
NCBI Official Full Name	bone morphogenetic protein 15
NCBI Official Synonym Full Names	bone morphogenetic protein 15
NCBI Official Symbol	BMP15
NCBI Official Synonym Symbols	ODG2; POF4; GDF9B
NCBI Protein Information	bone morphogenetic protein 15; BMP-15; GDF-9B; growth/differentiation factor 9B
UniProt Protein Name	Bone morphogenetic protein 15
UniProt Gene Name	BMP15
UniProt Synonym Gene Names	GDF9B; BMP-15; GDF-9B
UniProt Entry Name	BMP15_HUMAN

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/bmp15-sheep-elisa-kits/bone-morphogenetic-protein-15/88879>