

Rat Bone morphogenetic protein 8B (BMP8B) ELISA Kit | BMP8B elisa kit

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CATALOG #
AAA244934

REACTIVITY
Rat

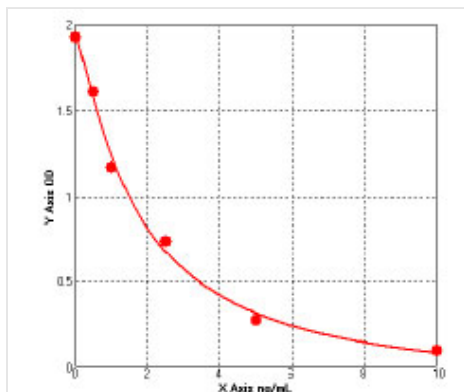
PRODUCT SYNONYMS

Bone morphogenetic protein 8B (BMP8B); Rat Bone morphogenetic protein 8B (BMP8B) ELISA Kit; BMP8B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP8B. No significant cross-reactivity or interference between BMP8B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BMP8B 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP8B elisa kit	Intended Uses: This BMP8B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat BMP8B. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BMP8B ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-BMP8B antibody and an BMP8B-HRP conjugate. The assay sample and buffer are incubated together with BMP8B-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 BMP8B concentration since BMP8B from samples and BMP8B-HRP conjugate compete for the anti-BMP8B antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP8B from the sample, fewer sites are left to bind BMP8B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP8B concentration in each sample is interpolated from this standard curve.
Product Categories/Family for BMP8B elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	32250692
NCBI GeneID	656
Molecular Weight	44,768 Da
NCBI Official Full Name	bone morphogenetic protein 8B
NCBI Official Synonym Full Names	bone morphogenetic protein 8b
NCBI Official Symbol	BMP8B
NCBI Official Synonym Symbols	OP2; BMP8
NCBI Protein Information	bone morphogenetic protein 8B; BMP-8; BMP-8B; osteogenic protein 2; bone morphogenetic protein 8 (osteogenic protein 2); dJ118J21.1 (bone morphogenetic protein 8 (osteogenic protein 2))
UniProt Protein Name	Bone morphogenetic protein 8B
UniProt Gene Name	BMP8B
UniProt Synonym Gene Names	BMP8; BMP-8; BMP-8B; OP-2
UniProt Entry Name	BMP8B_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/rat-elisa-kits/bone-morphogenetic-protein-8b-bmp8b/244934>