

Rat BMP-binding endothelial regulator protein (BMPER) ELISA Kit | BMPER elisa kit

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CATALOG #
AAA245935

REACTIVITY
Rat

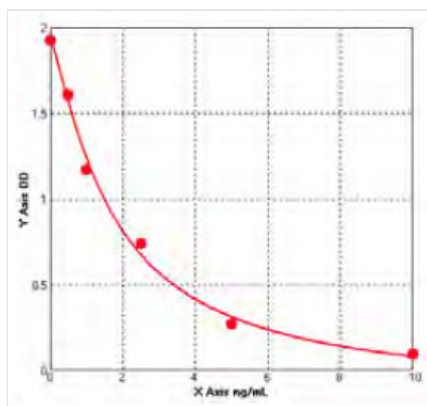
PRODUCT SYNONYMS

BMP-binding endothelial regulator protein (BMPER); Rat BMP-binding endothelial regulator protein (BMPER) ELISA Kit; BMPER elisa kit

PRODUCT SPECIFICATIONS

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	37693519
NCBI GeneID	168667
NCBI Accession #	NP_597725.1
NCBI GenBank Nucleotide #	NM_133468.4
Molecular Weight	75,997 Da
NCBI Official Full Name	BMP-binding endothelial regulator protein
NCBI Official Synonym Full Names	BMP binding endothelial regulator
NCBI Official Symbol	BMPER
NCBI Official Synonym Symbols	CV2; CV-2; CRIM3
NCBI Protein Information	BMP-binding endothelial regulator protein; hCV2; crossveinless 2; crossveinless-2; BMP-binding endothelial regulator precursor protein; bone morphogenetic protein-binding endothelial cell precursor-derived regulator
UniProt Protein Name	BMP-binding endothelial regulator protein
UniProt Gene Name	BMPER
UniProt Synonym Gene Names	KIAA1965; hCV2
UniProt Entry Name	BMPER_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/bmp-binding-endothelial-regulator-protein-bmper/245935>