

Rat BMP Binding Endothelial Regulator ELISA Kit | BMPER elisa kit

Rat BMP Binding Endothelial Regulator (BMPER) ELISA Kit

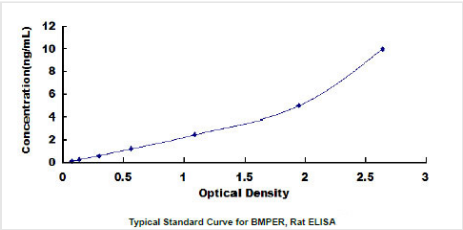
CATALOG # AAA145503	REACTIVITY Rat
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PRODUCT SYNONYMS

BMP Binding Endothelial Regulator; Rat BMP Binding Endothelial Regulator (BMPER) ELISA Kit; Cv2; CRIM3; Crossveinless-2; Bone morphogenetic protein-binding endothelial cell precursor-derived regulator; BMPER elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP Binding Endothelial Regulator (BMPER). No significant cross-reactivity or interference between BMP Binding Endothelial Regulator (BMPER) and analogues was observed.
Sequence Length	685
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level BMP Binding Endothelial Regulator (BMPER) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level BMP Binding Endothelial Regulator (BMPER) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPER elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to BMP Binding Endothelial Regulator (BMPER). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to BMP Binding Endothelial Regulator (BMPER). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain BMP Binding Endothelial Regulator (BMPER), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of BMP Binding Endothelial Regulator (BMPER) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for BMPER elisa kit	Immune molecule

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
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.