

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

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CATALOG #
AAA245676

REACTIVITY
Canine

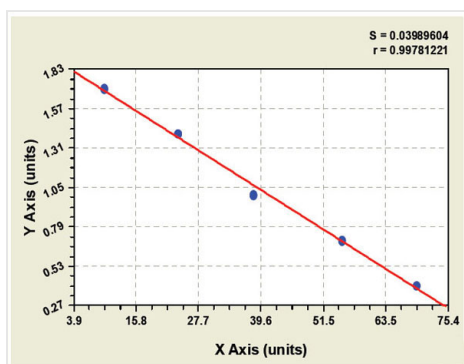
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This BMPER ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine BMPER. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMPER elisa kit

Principle of the assay: BMPER ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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://www.aaabiotech.com/canine-elisa-kits/bmp-binding-endothelial-regulator-protein-bmper/245676>