

ARG82835 Rat BMPER / Crossveinless 2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82835-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82835-002	Standard	2 X 10 ng/vial	4°C
ARG82835-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82835-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82835-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82835-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82835-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82835-008	25X Wash buffer	20 ml	4°C
ARG82835-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82835-010	STOP solution	10 ml (Ready to use)	4°C
ARG82835-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82835 Rat BMPER / Crossveinless 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat BMPER / Crossveinless 2 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	BMPER / Crossveinless 2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.3 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.4% Inter-Assay CV: 7.2%

Alternate Names	hCV2; CV-2; CV2; BMP-binding endothelial regulator protein; Protein crossveinless-2; CRIM3; Bone morphogenetic protein-binding endothelial cell precursor-derived regulator
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Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	BMPER
Gene Full Name	BMP binding endothelial regulator
Background	This gene encodes a secreted protein that interacts with, and inhibits bone morphogenetic protein (BMP) function. It has been shown to inhibit BMP2- and BMP4-dependent osteoblast differentiation and BMP-dependent differentiation of the chondrogenic cells. Mutations in this gene are associated with a lethal skeletal disorder, diaphanospondylodysostosis. [provided by RefSeq, Dec 2011]
Function	Inhibitor of bone morphogenetic protein (BMP) function, it may regulate BMP responsiveness of osteoblasts and chondrocytes. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images

