

ARG81979 Rat BMP6 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81979-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81979-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81979-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81979-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81979-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81979-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81979-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81979-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81979-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81979-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81979-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81979 Rat BMP6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat BMP6 in serum and cell culture supernatants. |
| Tested Reactivity | Rat |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | BMP6 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 78 pg/ml |
| Sample Type | Serum and cell culture supernatants. |
| Standard Range | 156 - 10000 pg/ml |
| Sample Volume | 100 µl |

| | |
|-----------------|---|
| Precision | Intra-Assay CV: 6.3%; Inter-Assay CV: 6.5% |
| Alternate Names | VG-1-related protein; VGR1; BMP-6; VG-1-R; Bone morphogenetic protein 6; VGR-1; VGR |

Application Instructions

| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

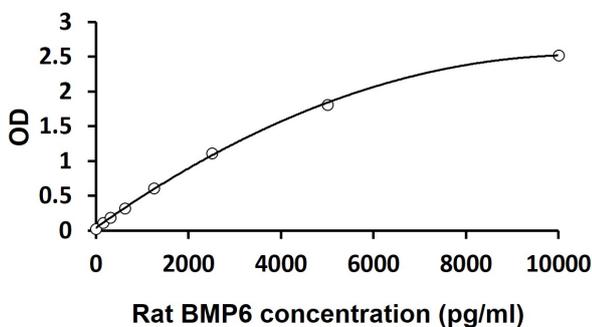
Properties

| | |
|---------------------|--|
| 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 | BMP6 |
| Gene Full Name | bone morphogenetic protein 6 |
| Background | The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has lead to speculation of possible bone inductive activity. [provided by RefSeq, Jul 2008] |
| Function | Induces cartilage and bone formation. [UniProt] |
| Highlight | Related products: BMP antibodies ; BMP ELISA Kits ; BMP recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |

Images



ARG81979 Rat BMP6 ELISA Kit standard curve image

ARG81979 Rat BMP6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.