

ARG81606 Human BMP9 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81606-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81606-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81606-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81606-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81606-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81606-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81606-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81606-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81606-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81606-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81606-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|--|
| Product Description | ARG81606 Human BMP9 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human BMP9 in serum, plasma (heparin, EDTA), urine and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | BMP9 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 7.8 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA), urine and cell culture supernatants. |
| Standard Range | 15.6 - 1000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 5.2% Inter-Assay CV: 6.8% |
| Alternate Names | GDF-2; BMP-9; Growth/differentiation factor 2; BMP9; Bone morphogenetic protein 9; HHT5 |

Application Instructions

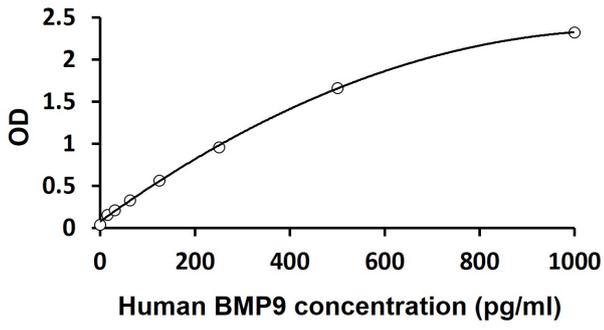
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

Properties

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|---------------------|--|
| 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 | GDF2 |
| Gene Full Name | growth differentiation factor 2 |
| Background | The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in rodents suggest that this protein plays a role in the adult liver and in differentiation of cholinergic central nervous system neurons. Mutations in this gene are associated with hereditary hemorrhagic telangiectasia. [provided by RefSeq, Jan 2014] |
| Function | Potent circulating inhibitor of angiogenesis. Could be involved in bone formation. Signals through the type I activin receptor ACVRL1 but not other Alks. Signaling through SMAD1 in endothelial cells requires TGF-beta coreceptor endoglin/ENG. [UniProt] |
| Highlight | Related products: BMP antibodies ; BMP ELISA Kits ; BMP recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |



ARG81606 Human BMP9 ELISA Kit standard curve image

ARG81606 Human BMP9 ELISA Kit results of a typical standard run with optical density reading at 450 nm.