

## ARG80970 Human GDF9 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

| Cat. No.     | Component Name  | Package         | Temp                     |
|--------------|---|-----------------|--------------------------|
| ARG80970-001 | Antibody-coated microplate  | 96 wells        | 4°C                      |
| ARG80970-002 | Standards A-F<br>(Concentration: 62.5, 125, 250, 500, 1000, 2000 pg/ml) | 6 vials X 0.5ml | 4°C                      |
| ARG80970-003 | Sample Diluent  | 6 ml            | 4°C                      |
| ARG80970-004 | HRP-conjugated Antibody   | 10 ml           | 4°C                      |
| ARG80970-005 | 20X Wash buffer   | 25 ml           | 4°C                      |
| ARG80970-006 | Chromogen solution A  | 6 ml            | 4°C (Protect from light) |
| ARG80970-007 | Chromogen solution B  | 6 ml            | 4°C (Protect from light) |
| ARG80970-008 | Plate sealer  | 2               | RT                       |
| ARG80970-009 | STOP solution   | 6 ml            | 4°C                      |

### Summary

|                     |  |
|---------------------|--|
| Product Description | ARG80970 Human GDF9 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human GDF9 in cell culture supernatant, serum, plasma and other suitable sample solution. |
| Tested Reactivity   | Hu   |
| Tested Application  | ELISA  |
| Target Name         | GDF9   |
| Conjugation         | HRP  |
| Sensitivity         | 10 pg/ml   |
| Sample Type         | Cell culture supernatant, serum, plasma and other suitable sample solution.  |
| Standard Range      | 62.5 - 2000 pg/ml  |
| Sample Volume       | 50 µl  |
| Alternate Names     | GDF-9; Growth/differentiation factor 9   |

### Application Instructions

|            |        |
|------------|--------|
| Assay Time | 90 min |
|------------|--------|

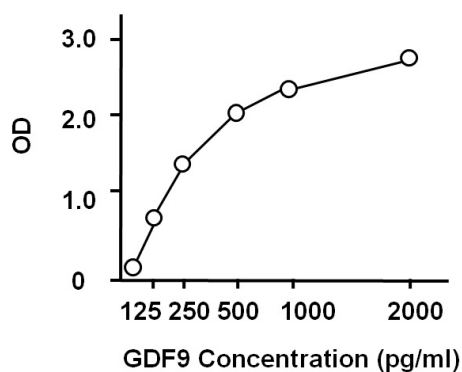
## Properties

|                     |  |
|---------------------|--|
| 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

|                |   |
|----------------|---|
| Database links | <a href="#">GeneID: 2661 Human</a><br><a href="#">Swiss-port # O60383 Human</a>   |
| Gene Symbol    | GDF9  |
| Gene Full Name | growth differentiation factor 9   |
| Background     | This gene encodes a member of the transforming growth factor-beta superfamily. The encoded preproprotein is processed into a secreted factor that is required for ovarian folliculogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]  |
| Function       | GDF9 (growth differentiation factor 9) is required for ovarian folliculogenesis. Promotes primordial follicle development. Stimulates granulosa cell proliferation. Promotes cell transition from G0/G1 to S and G2/M phases, through an increase of CCND1 and CCNE1 expression, and RB1 phosphorylation. It regulates STAR expression and cAMP-dependent progesterone release in granulosa and thecal cells. Attenuates the suppressive effects of activin A on STAR expression and progesterone production by increasing the expression of inhibin B. It suppresses FST and FSTL3 production in granulosa-lutein cells. [UniProt] |
| Highlight      | Related products:<br><a href="#">GDF9 antibodies</a> ; <a href="#">GDF9 ELISA Kits</a> ; <a href="#">GDF9 recombinant proteins</a> ;<br>New ELISA data calculation tool:<br><a href="#">Simplify the ELISA analysis by GainData</a>   |
| Research Area  | Cell Biology and Cellular Response kit; Developmental Biology kit; Signaling Transduction kit   |
| PTM            | Phosphorylated; phosphorylation is critical for GDF9 function. In vitro, can be phosphorylated by CK at Ser-325.  |

## Images



ARG80970 Human GDF9 ELISA Kit standard curve image

ARG80970 Human GDF9 ELISA Kit results of a typical standard run with optical density reading at 450 nm.