

## Human ERG (Transcriptional regulator ERG) ELISA Kit | ERG elisa kit

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CATALOG #  
**AAA27637**

REACTIVITY  
**Human**

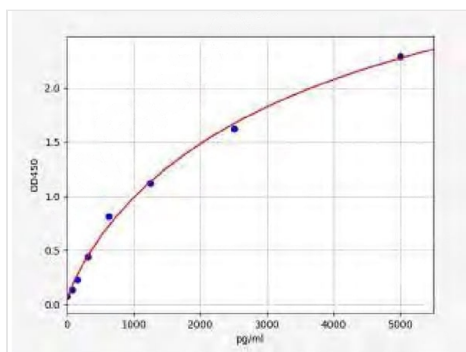
### PRODUCT SYNONYMS

ERG (Transcriptional regulator ERG); Human ERG (Transcriptional regulator ERG) ELISA Kit; Transcriptional regulator ERG; Transforming protein ERG; ERG; ERG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                        |
| Specificity             | Specifically recognize ERG, no obvious cross reaction with other analogues                                                                                   |
| Assay Type              | Sandwich                                                                                                                                                     |
| Samples                 | Serum, plasma, cell culture supernatant and other biological samples                                                                                         |
| Detection Range         | 78.125-5000pg/ml                                                                                                                                             |
| Sensitivity             | 46.875pg/ml                                                                                                                                                  |
| Intra-assay Precision   | Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.                                                    |
| Inter-assay Precision   | Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.                                        |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ERG elisa kit | <p>Background: ETS-related gene (ERG) is a member of the E-26 transformation-specific (ETS) family of sequence-specific DNA-binding transcription factors. ERG plays important and highly conserved roles in vertebrate development. Early in embryonic development, ERG is highly expressed in the embryonic mesoderm and endothelium, where it plays a critical role in the formation of the vascular system, urogenital tract and bone development. Later in embryonic development, ERG functions to regulate the pluripotency of hematopoietic stem cells, endothelial cell homeostasis and angiogenesis.</p> <p>Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti ERG antibody was precoated onto the 96-well plate. The biotin conjugated anti ERG antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with ERG conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of ERG in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 152031600                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 2078                                                                                                                                                                                                                                                            |
| UniProt Accession #              | P11308; Q16113; Q6XXX4; Q6XXX5; Q8IXK9; B4DTW5; B4E0T4                                                                                                                                                                                                          |
| Molecular Weight                 | 486                                                                                                                                                                                                                                                             |
| NCBI Official Full Name          | Transcriptional regulator ERG                                                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | v-ets avian erythroblastosis virus E26 oncogene homolog                                                                                                                                                                                                         |
| NCBI Official Symbol             | ERG                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | p55; erg-3                                                                                                                                                                                                                                                      |
| NCBI Protein Information         | transcriptional regulator ERG; ets-related; TMPRSS2/ERG fusion; v-ets erythroblastosis virus E26 oncogene like; v-ets erythroblastosis virus E26 oncogene homolog; v-ets avian erythroblastosis virus E26 oncogene related; transcriptional regulator ERG (tran |
| UniProt Protein Name             | Transcriptional regulator ERG                                                                                                                                                                                                                                   |
| UniProt Gene Name                | ERG                                                                                                                                                                                                                                                             |
| UniProt Entry Name               | ERG_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.