

## Mouse Elongation factor G, mitochondrial ELISA Kit | Gfm1 elisa kit

Mouse Elongation factor G, mitochondrial ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA56502</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

### PRODUCT SYNONYMS

Elongation factor G; mitochondrial; Mouse Elongation factor G; mitochondrial ELISA Kit; Gfm1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                     |
| Specificity             | This assay recognizes recombinant and natural mouse EF-Gmt. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 751                                                                                                                       |
| Assay Type              | Sandwich                                                                                                                  |
| Detection Range         | 78-5000 pg/ml                                                                                                             |
| Sensitivity             | 40.1 pg/mL                                                                                                                |
| Intra-Assay CV          | <=7.0%                                                                                                                    |
| Inter-Assay CV          | <=9.6%                                                                                                                    |
| Recovery                | 82%                                                                                                                       |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                       |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Gfm1 elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EF-Gmt. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for EF-Gmt and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain EF-Gmt, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of EF-Gmt in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|             |           |
|-------------|-----------|
| NCBI GI #   | 170650599 |
| NCBI GeneID | 28030     |

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_613057.2</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_138591.2</a>                                              |
| UniProt Accession #              | <a href="#">Q8K0D5</a> ; <a href="#">Q921D6</a> ; <a href="#">Q924I0</a> |
| Molecular Weight                 | 83,550 Da                                                                |
| NCBI Official Full Name          | elongation factor G, mitochondrial                                       |
| NCBI Official Synonym Full Names | G elongation factor, mitochondrial 1                                     |
| NCBI Official Symbol             | Gfm1                                                                     |
| NCBI Official Synonym Symbols    | Gfm; AW545374; D3Wsu133e                                                 |
| NCBI Protein Information         | elongation factor G, mitochondrial                                       |
| UniProt Protein Name             | Elongation factor G, mitochondrial                                       |
| UniProt Gene Name                | <b>Gfm1</b>                                                              |
| UniProt Synonym Gene Names       | Efg; Efg1; Gfm; EF-Gmt; mEF-G 1                                          |
| UniProt Entry Name               | EFGM_MOUSE                                                               |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/gfm1-mouse-elisa-kits/elongation-factor-g-mitochondrial/56502>