

## Rat Nuclear factor erythroid 2-related factor 2 ELISA Kit | Nrf2 elisa kit

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CATALOG #  
**AAA17206**

REACTIVITY  
**Rat**

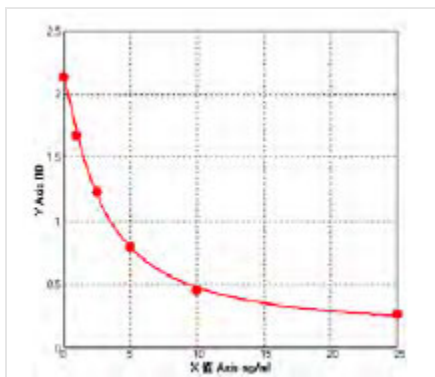
### PRODUCT SYNONYMS

Nuclear factor erythroid 2-related factor 2; Rat Nuclear factor erythroid 2-related factor 2 ELISA Kit; Nrf2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of NFE2R2. No significant cross-reactivity or interference between NFE2R2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NFE2R2 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                     |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Nrf2 elisa kit | <p>Intended Uses: This NFE2R2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NFE2R2. This ELISA kit for research use only!</p> <p>Principle of the Assay: NFE2R2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NFE2R2 antibody and an NFE2R2-HRP conjugate. The assay sample and buffer are incubated together with NFE2R2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NFE2R2 concentration since NFE2R2 from samples and NFE2R2-HRP conjugate compete for the anti-NFE2R2 antibody binding site. Since the number of sites is limited, as more sites are occupied by NFE2R2 from the sample, fewer sites are left to bind NFE2R2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NFE2R2 concentration in each sample is interpolated from this standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 224028257                                                                                                                                                                                 |
| NCBI GeneID                      | 4780                                                                                                                                                                                      |
| NCBI Accession #                 | NP_001138884.1                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001145412.2                                                                                                                                                                            |
| Molecular Weight                 | 65,356 Da                                                                                                                                                                                 |
| NCBI Official Full Name          | nuclear factor erythroid 2-related factor 2 isoform 2                                                                                                                                     |
| NCBI Official Synonym Full Names | nuclear factor, erythroid 2-like 2                                                                                                                                                        |
| NCBI Official Symbol             | NFE2L2                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | NRF2                                                                                                                                                                                      |
| NCBI Protein Information         | nuclear factor erythroid 2-related factor 2; HEBP1; NFE2-related factor 2; NF-E2-related factor 2; nuclear factor erythroid-derived 2-like 2; nuclear factor, erythroid derived 2, like 2 |
| UniProt Protein Name             | Nuclear factor erythroid 2-related factor 2                                                                                                                                               |
| UniProt Gene Name                | NFE2L2                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | NRF2; NF-E2-related factor 2; NFE2-related factor 2                                                                                                                                       |
| UniProt Entry Name               | NF2L2_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.