

Rat Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2) ELISA Kit | NFE2L2 elisa kit

Rat Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2) ELISA Kit

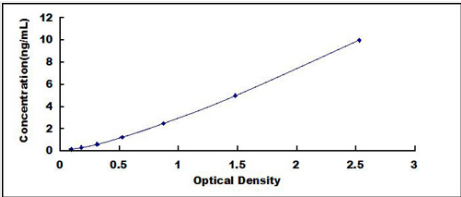
CATALOG # AAA187788	REACTIVITY Rat
-------------------------------	--------------------------

PRODUCT SYNONYMS

Nuclear Factor; Erythroid Derived 2 Like Protein 2 (NFE2L2); Rat Nuclear Factor; Erythroid Derived 2 Like Protein 2 (NFE2L2) ELISA Kit; NRF2; HEBP1; NF-E2-Related Factor 2; Nuclear factor; erythroid derived 2; like 2; NFE2L2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2). No significant cross-reactivity or interference between Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2) and analogues was observed.
Sequence Length	582
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NFE2L2 elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Nuclear Factor, Erythroid Derived 2 Like Protein 2 (NFE2L2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25453452
NCBI GeneID	4780
UniProt Accession #	Q16236; Q53RW6; Q59HH2; Q96F71; B2RBU2; B4E338; E9PGJ7
Molecular Weight	65,356 Da
NCBI Official Full Name	Nuclear factor erythroid 2-related factor 2
NCBI Official Synonym Full Names	nuclear factor, erythroid 2 like 2
NCBI Official Symbol	NFE2L2
NCBI Official Synonym Symbols	NRF2; HEBP1; IMDDHH
NCBI Protein Information	nuclear factor erythroid 2-related factor 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

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.