

Human Nuclear factor erythroid 2 related factor 2 ELISA Kit | Nrf2 elisa kit

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CATALOG #
AAA17087

REACTIVITY
Human

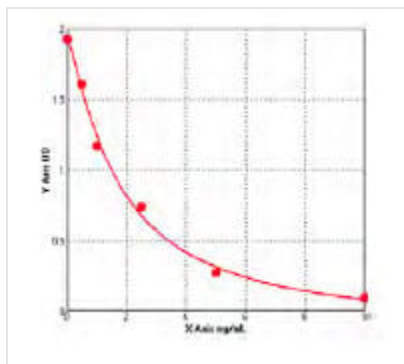
PRODUCT SYNONYMS

Nuclear factor erythroid 2 related factor 2; Human Nuclear factor erythroid 2 related factor 2 ELISA Kit; Nrf2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Nrf2 elisa kit	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. Intended Uses: This NFE2R2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human NFE2R2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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.