Mouse Nuclear Respiratory Factor 1 (NRF1) ELISA Kit | NRF1 elisa kit

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CATALOG #	REACTIVITY
AAA68628	**Mouse**

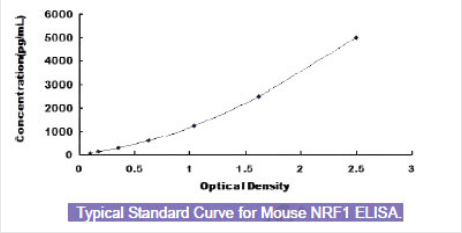
PRODUCT SYNONYMS

Nuclear Respiratory Factor 1 (NRF1); Mouse Nuclear Respiratory Factor 1 (NRF1) ELISA Kit; ALPHA-PAL; EWG; Alpha Palindromic-Binding Protein; NRF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NRF1. No significant cross-reactivity or interference between NRF1 and analogues was observed.
Sequence Length	503
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<29.7pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NRF1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NRF1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NRF1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NRF1 in mouse tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NRF1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NRF1. 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 NRF1, 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 +/- 10nm. The concentration of NRF1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	255982544
NCBI GeneID	18181
NCBI Accession #	NP_001157698.1
NCBI GenBank Nucleotide #	NM_001164226.1
UniProt Accession #	Q9WU00; Q9CXE4
Molecular Weight	46,157 Da
NCBI Official Full Name	nuclear respiratory factor 1 isoform a
NCBI Official Synonym Full Names	nuclear respiratory factor 1
NCBI Official Symbol	Nrf1
NCBI Official Synonym Symbols	C87038; D6Ertd415e
NCBI Protein Information	nuclear respiratory factor 1
UniProt Protein Name	Nuclear respiratory factor 1
UniProt Gene Name	**Nrf1**
UniProt Synonym Gene Names	NRF-1; Alpha-pal

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.

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Online datasheet: https://stage.aaabiotech.com/mouse-elisa-kits/nuclear-respiratory-factor-1-nrf1/68628