Mouse Nuclear factor erythroid 2-related factor 3 (NFE2L3) ELISA Kit

Catalog No: #EK11493

Package Size: #EK11493-1 48T #EK11493-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Nuclear factor erythroid 2-related factor 3 (NFE2L3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	NRF3; nuclear factor erythroid 2-like 3|nuclear factor-erythroid 2 p45-related factor 3|nuclear factor-erythroid 2-related factor 3
Accession No.	Q9WTM4
Uniprot	Q9WTM4
GeneID	18025;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate NFE2L3 in samples. An antibody specific for NFE2L3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNFE2L3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NFE2L3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NFE2L3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:NFE2-binding sites and Maf recognition elements (MAREs) are essential cis-acting elements in the regulatory regions of erythroid-specific genes recognized by the erythroid transcription factor NFE2, which is composed of p45 and a small MAF protein. The p45 subunit and the p45-related factors NRF1 (NFE2L1) and NRF2 (NFE2L2) contain a Cap'n'collar (CNC)-type basic leucine zipper (bZIP) domain, and they are collectively grouped as the CNC family. The cDNA sequence encodes a novel 694-amino acid polypeptide, which the authors called NRF3. NRF3 contains a bZIP domain that is similar to those of other CNC transcription factors. Northern blot analysis detected 2 human NRF3 transcripts in all tissues examined, with the highest levels in placenta. NRF3 was expressed in B- and monocytic cell lines but not in T-cell lines.

Note: This product is for in vitro research use only