Human Erythroferrone (ERFE) RTU ELISA Kit | ERFE rtu elisa kit

Human Erythroferrone (ERFE) ELISA Kit

CATALOG #	REACTIVITY
AAA219655	**Human**

PRODUCT SYNONYMS

Erythroferrone (ERFE); Human Erythroferrone (ERFE) ELISA Kit; FAM132B; C1QTNF15; CTRP15; Myonectin; Family With Sequence Similarity 132; Member B; Complement C1q tumor necrosis factor-related protein 15; ERFE rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ERFE. No significant cross-reactivity or interference between ERFE and analogues was observed.
Sequence Length	354
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ERFE 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 ERFE were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Stable for 12 months.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	628601881
NCBI GeneID	151176
NCBI Accession #	NP_001278761.1
NCBI GenBank Nucleotide #	NM_001291832.1
UniProt Accession #	Q4G0M1; W8S2M9
Molecular Weight	37,279 Da
NCBI Official Full Name	erythroferrone
NCBI Official Synonym Full Names	erythroferrone
NCBI Official Symbol	ERFE
NCBI Official Synonym Symbols	CTRP15; FAM132B; C1QTNF15
NCBI Protein Information	erythroferrone
UniProt Protein Name	Erythroferrone
UniProt Gene Name	**ERFE**
UniProt Synonym Gene Names	C1QTNF15; CTRP15; FAM132B

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/human-rtu-elisa-kits/erythroferrone-erfe/219655