Bovine Erythroferrone ELISA Kit | ERFE elisa kit

Bovine Erythroferrone ELISA Kit

CATALOG #	REACTIVITY
AAA27448	**Bovine**

PRODUCT SYNONYMS

Erythroferrone; Bovine Erythroferrone ELISA Kit; ERFE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ERFE and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	354
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERFE elisa kit	Principle of the Assay: ERFE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ERFE antibody and an ERFE-HRP conjugate. The assay sample and buffer are incubated together with ERFE-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 ERFE concentration since ERFE from samples and ERFE-HRP conjugate compete for the anti-ERFE antibody binding site. Since the number of sites is limited, as more sites are occupied by ERFE from the sample, fewer sites are left to bind ERFE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ERFE concentration in each sample is interpolated from this standard curve. Intended Uses: This ERFE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ERFE. This ELISA kit for research use only, not for therapeutic or diagnostic applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	628601881
NCBI GeneID	151176
NCBI Accession #	NP_001278761.1
NCBI GenBank Nucleotide #	NM_001291832.2
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/erfe-bovine-ovine-elisa-kits/erythroferrone/27448