

ARG82059 Mouse alpha Fetoprotein ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	Mouse alpha Fetoprotein ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse alpha Fetoprotein in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	alpha Fetoprotein
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Alternate Names	Alpha-fetoprotein; HPAFP; FETA; Alpha-fetoglobulin; AFPD; Alpha-1-fetoprotein

Application Instructions

Assay Time	4.5 hours
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Properties

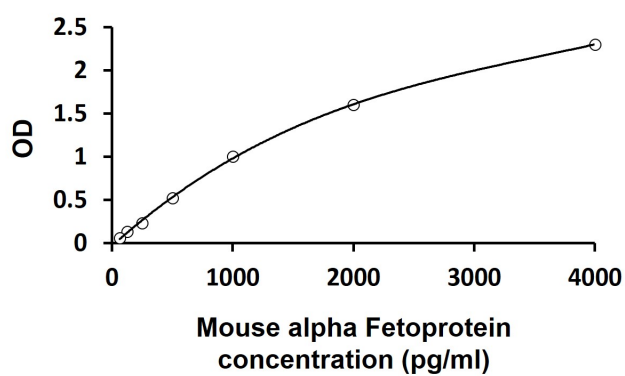
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	AFP
Gene Full Name	alpha-fetoprotein
Background	This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. [provided by RefSeq, Jul 2008]

Function	Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties. [UniProt]
Highlight	Related products: alpha Fetoprotein antibodies ; alpha Fetoprotein ELISA Kits ; alpha Fetoprotein Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Independent studies suggest heterogeneity of the N-terminal sequence of the mature protein and of the cleavage site of the signal sequence. Sulfated. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG82059 Mouse alpha Fetoprotein ELISA Kit standard curve image

ARG82059 Mouse alpha Fetoprotein ELISA Kit results of a typical standard run with optical density reading at 450 nm.