

ARG83499 Rat Ferritin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83499 Rat Ferritin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Ferritin in Plasma and Serum
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	Ferritin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	6.25 ng/ml
Sample Type	Plasma and Serum
Standard Range	12.5 - 400 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	NBIA3; Ferritin L subunit; Ferritin light chain; LFTD

Application Instructions

Assay Time	1.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 4°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	FTL
Gene Full Name	ferritin, light polypeptide
Background	This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. [provided by RefSeq, Jul 2008]

Function	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney (By similarity). [UniProt]
Highlight	Related products: Ferritin antibodies ; Ferritin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cell Biology and Cellular Response kit; Metabolism kit; Neuroscience kit; Signaling Transduction kit