

ARG82597 Human Transferrin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82597 Human Transferrin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Transferrin in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	<p>This kit could assay both natural and recombinant Human Transferrin.</p> <p>No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.</p>
Target Name	Transferrin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.47 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.94 - 60 ng/ml
Sample Volume	50 µl
Precision	Intra-Assay CV: 2.2% Inter-Assay CV: 2.8%
Alternate Names	Beta-1 metal-binding globulin; Siderophilin; Transferrin; PRO1557; TFQTL1; Serotransferrin; PRO2086

Application Instructions

Assay Time	~ 3.5 hours
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Properties

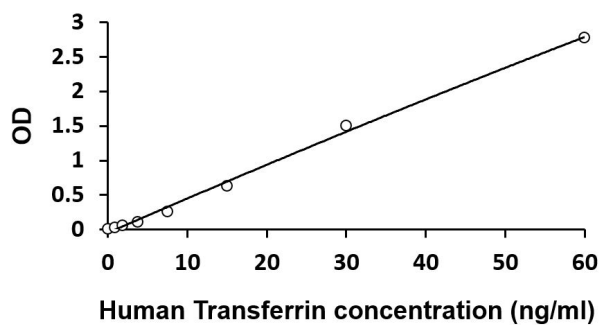
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	TF
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Gene Full Name	transferrin
Background	This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. [provided by RefSeq, Sep 2009]
Function	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation. [UniProt]
Highlight	Related products: Transferrin antibodies ; Transferrin ELISA Kits ; Transferrin Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82597 Human Transferrin ELISA Kit standard curve image

ARG82597 Human Transferrin ELISA Kit results of a typical standard run with optical density reading at 450 nm.