

ARG81520 Human LIFR ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81520-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81520-002	Standard	2 X 10 ng/vial	4°C
ARG81520-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81520-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81520-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81520-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81520-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81520-008	25X Wash buffer	20 ml	4°C
ARG81520-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81520-010	STOP solution	10 ml (Ready to use)	4°C
ARG81520-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81520 Human LIFR ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human LIFR in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	LIFR
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 6.2%
Alternate Names	CD118; CD antigen CD118; STWS; SJS2; LIF receptor; Leukemia inhibitory factor receptor; SWS; LIF-R

Application Instructions

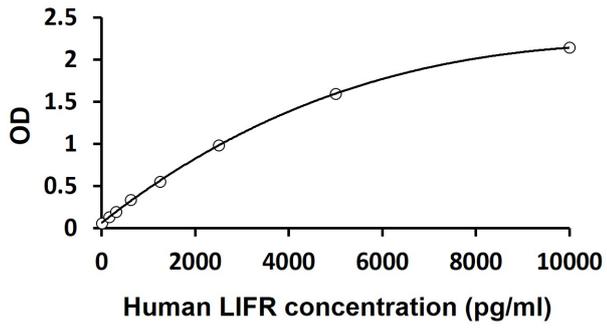
Assay Time	~ 5 hours
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Properties

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	LIFR
Gene Full Name	leukemia inhibitory factor receptor alpha
Background	This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, t(5;8)(p13;q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland. Multiple splice variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Signal-transducing molecule. May have a common pathway with IL6ST. The soluble form inhibits the biological activity of LIF by blocking its binding to receptors on target cells. [UniProt]
Highlight	Related products: LIFR antibodies ; LIFR ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81520 Human LIFR ELISA Kit standard curve image

ARG81520 Human LIFR ELISA Kit results of a typical standard run with optical density reading at 450 nm.