

ARG81523 Human CYR61 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81523-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81523-002	Standard	2 X 10 ng/vial	4°C
ARG81523-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81523-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81523-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81523-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81523-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81523-008	25X Wash buffer	20 ml	4°C
ARG81523-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81523-010	STOP solution	10 ml (Ready to use)	4°C
ARG81523-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81523 Human CYR61 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CYR61 in serum, plasma (heparin, EDTA), saliva, urine, human milk and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CYR61
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), saliva, urine, human milk and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0% Inter-Assay CV: 7.0%
Alternate Names	Protein GIG1; CCN1; IGFBP-10; Insulin-like growth factor-binding protein 10; IGFBP10; GIG1; Cysteine-rich angiogenic inducer 61; Protein CYR61; CCN family member 1; IGF-binding protein 10; IBP-10

Application Instructions

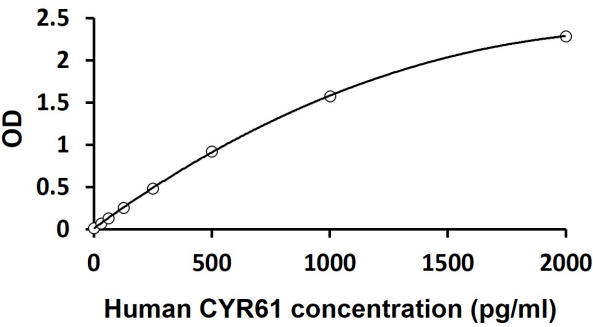
Assay Time	~ 5 hours
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Properties

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	CYR61
Gene Full Name	cysteine-rich, angiogenic inducer, 61
Background	The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and extracellular matrix formation. [provided by RefSeq, Sep 2011]
Function	Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up-regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CYR61-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-v/beta-5 and cell proliferation through integrin alpha-v/beta-3. [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81523 Human CYR61 ELISA Kit standard curve image

ARG81523 Human CYR61 ELISA Kit results of a typical standard run with optical density reading at 450 nm.