

## ARG81449 Human Decorin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81449-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81449-002	Standard	2 X 10 ng/vial	4°C
ARG81449-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81449-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81449-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81449-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81449-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81449-008	25X Wash buffer	20 ml	4°C
ARG81449-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81449-010	STOP solution	10 ml (Ready to use)	4°C
ARG81449-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81449 Human Decorin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Decorin 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	Decorin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 7.1% Inter-Assay CV: 7.8%
Alternate Names	Bone proteoglycan II; PG40; PGII; CSCD; SLRR1B; PGS2; PG-S2; DSPG2; Decorin

## Application Instructions

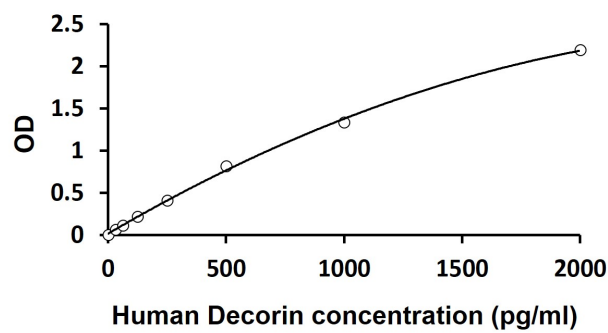
Assay Time	~ 5 hours
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## Properties

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	DCN
Gene Full Name	decorin
Background	The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The encoded protein and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. It contains one attached glycosaminoglycan chain. This protein is capable of suppressing the growth of various tumor cell lines. There are multiple alternatively spliced transcript variants known for this gene. This gene is a candidate gene for Marfan syndrome. [provided by RefSeq, Jul 2008]
Function	May affect the rate of fibrils formation. [UniProt]
Highlight	Related products: <a href="#">Decorin antibodies</a> ; <a href="#">Decorin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	The attached glycosaminoglycan chain can be either chondroitin sulfate or dermatan sulfate depending upon the tissue of origin. [UniProt]



ARG81449 Human Decorin ELISA Kit standard curve image

ARG81449 Human Decorin ELISA Kit results of a typical standard run with optical density reading at 450 nm.