

ARG81562 Human Biglycan ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81562-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81562-002	Standard	2 X 10 ng/vial	4°C
ARG81562-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81562-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81562-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81562-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81562-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81562-008	25X Wash buffer	20 ml	4°C
ARG81562-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81562-010	STOP solution	10 ml (Ready to use)	4°C
ARG81562-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81562 Human Biglycan ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Biglycan 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	Biglycan
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: 4.9% Inter-Assay CV: 5.5%
Alternate Names	Biglycan; Bone/cartilage proteoglycan I; SLRR1A; PGI; DSPG1; PG-S1

Application Instructions

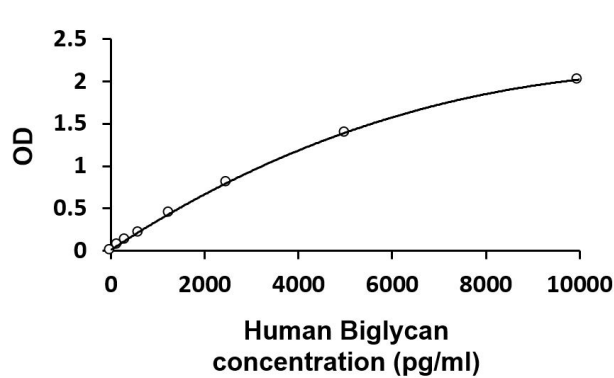
Assay Time	~ 5 hours
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Properties

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	BGN
Gene Full Name	biglycan
Background	The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to two other small proteoglycans, decorin and fibromodulin. The encoded protein and decorin are thought to be the result of a gene duplication. Decorin contains one attached glycosaminoglycan chain, while this protein probably contains two chains. For this reason, this protein is called biglycan. This protein plays a role in assembly of collagen fibrils and muscle regeneration. It interacts with several proteins involved in muscular dystrophy, including alpha-dystroglycan, alpha- and gamma-sarcoglycan and collagen VI, and it is critical for the assembly of the dystrophin-associated protein complex. [provided by RefSeq, Nov 2009]
Function	May be involved in collagen fiber assembly. [UniProt]
Highlight	Related products: Biglycan antibodies ; Biglycan ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The two attached glycosaminoglycan chains can be either chondroitin sulfate or dermatan sulfate. [UniProt]



ARG81562 Human Biglycan ELISA Kit standard curve image

ARG81562 Human Biglycan ELISA Kit results of a typical standard run with optical density reading at 450 nm.