

Mouse Biglycan (BGN) ELISA Kit | BGN elisa kit

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CATALOG #
AAA245043

REACTIVITY
Mouse

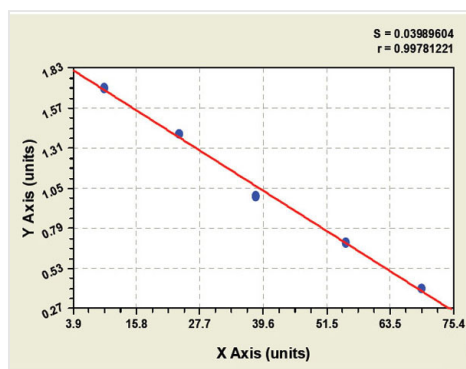
PRODUCT SYNONYMS

Biglycan (BGN); Mouse Biglycan (BGN) ELISA Kit; BGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This BGN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse BGN. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BGN elisa kit

Principle of the assay: BGN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BGN antibody and an BGN-HRP conjugate. The assay sample and buffer are incubated together with BGN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BGN concentration since BGN from samples and BGN-HRP conjugate compete for the anti-BGN antibody binding site. Since the number of sites is limited, as more sites are occupied by BGN from the sample, fewer sites are left to bind BGN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BGN concentration in each sample is interpolated from this standard curve.

Product Categories/Family for BGN elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502403
NCBI GeneID	633
NCBI Accession #	NP_001702.1
NCBI GenBank Nucleotide #	NM_001711.4
Molecular Weight	41,654 Da
NCBI Official Full Name	biglycan preproprotein
NCBI Official Synonym Full Names	biglycan
NCBI Official Symbol	BGN
NCBI Official Synonym Symbols	PGI; DSPG1; PG-S1; SLRR1A
NCBI Protein Information	biglycan; biglycan proteoglycan; bone/cartilage proteoglycan I; bone/cartilage proteoglycan-I; small leucine-rich protein 1A; dermatan sulphate proteoglycan I
UniProt Protein Name	Biglycan
UniProt Gene Name	BGN
UniProt Synonym Gene Names	SLRR1A
UniProt Entry Name	PGS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/biglycan-bgn/245043>