



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### BGN monoclonal antibody (M01), clone 4E1-1G7

**Catalog Number:** H00000633-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant BGN.

**Clone Name:** 4E1-1G7

**Immunogen:** BGN (AAH02416.1, 1 a.a. ~ 368 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MWPLWRLVSLALSQALPFEQRGFWDFTLDDGPFMM  
NDEEASGADTSGVLDPDSVTPTYSAMCPFGCHCHLR  
VVQCSDLGLKSVPEISPDTTLLDLQNNDISELRKDDF  
KGLQHLIALVLVNNKISKIHEKAFSPLRKLQKLYISKNH  
LVEIPPNLPSLVELRIHDNRIRKVPKGVFSGLRNMNCI  
EMGGNPLENSGFEPGAFDGLKLNLYLRISAKLTGIPKD  
LPETLNELHLDHNKIQAIIELEDLLRYSKLYRLGLGHNQI  
RMIENGSLSFLPTLRELHLDNNKLARVPSGLPDLKLLQ  
VVYLHSSNNITKGVVNDFCPMGFGVKRAYYNGISLFNN  
PVPYWEVQPATFRCVTDRLAIQFGNYKK

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, IP, S-ELISA, WB-Ce,  
WB-Re, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 633

**Gene Symbol:** BGN

**Gene Alias:** DSPG1, PG-S1, PGI, SLRR1A

**Gene Summary:** 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 is thought to function in connective tissue metabolism by binding to collagen fibrils and transferring growth factor-beta. It may promote neuronal survival. This gene is a candidate gene for the Happle syndrome. [provided by RefSeq]

**References:**

1. The Small Leucine-Rich Proteoglycan BGN Accumulates in CADASIL and Binds to NOTCH3. Zhang X, Lee SJ, Young MF, Wang MM. Transl Stroke Res. 2015 Jan 13.