



# 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) 

# Anti-Alginate Antibody [3G4-1F5]

Mouse Anti-Alginate Monoclonal IgG1 Kappa  
Catalog No. SMC-209



Discovery through partnership | Excellence through quality

## Overview

---

### Product Name

Alginate Antibody

### Description

Mouse Anti-Alginate Monoclonal IgG1 Kappa

### Species Reactivity

Species Independent

### Applications

WB, IHC

### Antibody Dilution

WB (1:500); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen

Sodium Alginate conjugated to KLH

### Concentration

1 mg/ml

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

---

### Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

Protein G Purified

### Clonality

Monoclonal

### Clone Number

3G4-1F5

### Isotype

IgG1 Kappa

### Specificity

Binds selectively to a BSA-conjugated alginate, but not to unconjugated BSA.

### Cite This Product

Mouse Anti- Alginate Monoclonal, Clone 3G4-1F5 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-209)

### Certificate Of Analysis

1 µg/ml of SMC-209 was sufficient for detection of 150 ng of alginate-conjugated BSA by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

## Biological Description

### Alternative Names

Alginic Acid Antibody, Algin Antibody, Sodium Alginate Antibody

### Research Areas

Cell Signaling, Post-translational Modifications

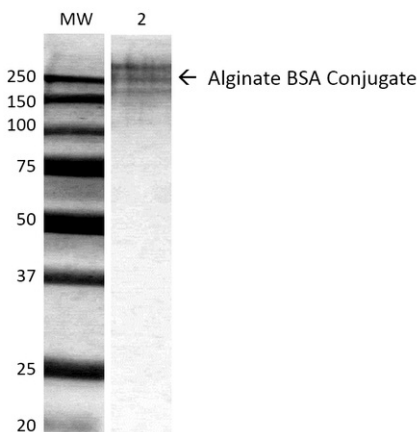
### Scientific Background

Sodium alginate is used in biological experiments for the immobilization of cells and encapsulation due to its biocompatibility and simple gelation with divalent cations such as Ca<sup>2+</sup>. Studies suggest that preparation of alginate microspheres will sustain protein delivery within tissue scaffolds (1), as well as in many other cell types (2).

### References

1. Zhai P., Chen X.B., and Schreyer D.J. (2013) Biofabrication. 5(1): 015009.
2. Selimoglu S.M., Ayyildiz-Tamis D., Gurhan I.D., and Elibol M. (2012) J Biosci Bioeng. 113(2):233-238.

## Product Images



Western Blot analysis of ALL BSA-Alginate Conjugate showing detection of ~250 kDa Alginate protein using Mouse Anti-Alginate Monoclonal Antibody, Clone 3G4-1F5 (SMC-209). Lane 1: MW ladder. Lane 2: 0.625ug BSA:Alginate. Load: 0.625 µg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Mouse Anti-Alginate Monoclonal Antibody (SMC-209) at 1:500 for 1 hour at RT. Secondary Antibody: HRP Goat Anti-Mouse at 1:100 for 1 hour at RT. Color Development: TMB solution for 2 min at RT. Predicted/Observed Size: ~250 kDa.

## Product Citations (0)

---

Currently there are no citations for this product.

## Reviews

---

There are no reviews yet.