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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

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

Anti-Alginate Antibody [4B10-1C5]

Mouse Anti-Alginate Monoclonal IgG1 Kappa
Catalog No. SMC-208



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 (1:1000), ICC/IF (1:100); 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

4B10-1C5

Isotype

IgG1 Kappa

Specificity

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

Cite This Product

Mouse Anti- Alginate Monoclonal, Clone 4B10-1C5 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-208)

Certificate Of Analysis

1 µg/ml of SMC-208 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

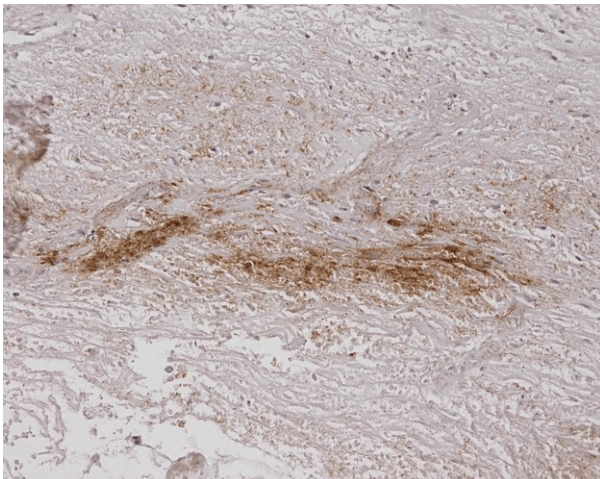
Scientific Background

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 Ca²⁺. Studies suggest that preparation of alginate microspheres will sustain protein delivery within tissue scaffolds (1), as well as in many other cell types (2).

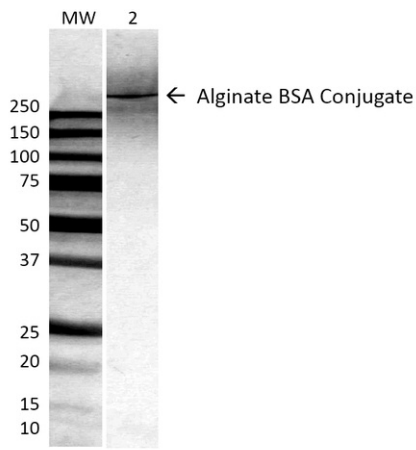
References

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.
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Product Images



Immunohistochemistry analysis using Mouse Anti-Alginate Monoclonal Antibody, Clone 4B10-1C5 (SMC-208). Tissue: Burned Skin. Species: Human. Primary Antibody: Mouse Anti-Alginate Monoclonal Antibody (SMC-208) at 1:200.



Western Blot analysis of ALL BSA-Alginate Conjugate showing detection of ~250 kDa Alginate protein using Mouse Anti-Alginate Monoclonal Antibody, Clone 4B10-1C5 (SMC-208). Lane 1: MW ladder. Lane 2: 0.625ug BSA:Alginate. Load: 0.625 μ g. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Mouse Anti-Alginate Monoclonal Antibody (SMC-208) 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.