# Mouse Alginate Monoclonal Antibody

Alginate Antibody: PerCP

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA102934** | **Mouse** | **Species Independent** | **Western Blot, Immunohistochemistry** |

## PRODUCT SYNONYMS

Alginate; Monoclonal Antibody; Alginate Antibody: PerCP; anti-Alginate antibody

## PRODUCT SPECIFICATIONS

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| **Host** | Mouse |
| **Reactivity** | Species Independent |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone Number** | 4B10-1C5 |
| **Form/Format** | Protein G Purified |
| **Concentration** | 1mg/mL (varies by lot) |
| **Applicable Applications for anti-Alginate antibody** | WB (Western Blot), IHC (Immunohistochemistry) |
| **Conjugate** | PerCP |
| **Storage Buffer** | PBS pH7.4, 50% glycerol |
| **Preparation and Storage** | -20 degree C |

## IMAGES

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

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

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-Alginate antibody** | **Background Info:** Binds selectively to a BSA-conjugated alginate, but not to unconjugated BSA.<br><br>**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). |

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| **Product Categories/Family for anti-Alginate antibody** | Post-translational Modifications |
| **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. |

**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/monoclonal/alginate-antibody-clone-4b10-1c5-western-blot-immunohistochemistry-elisa/102934