



# 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-Non muscle Myosin IIA [SF9] Standard Size Ab04209-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human scFv format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Lambda

**Clone Number:** SF9

**Alternative Name(s) of Target:** nmMyoIIA; NMMHC II-a; NMMHC-IIA; NMMHC-A; Non-muscle myosin heavy chain IIA; Myosin-9; Cellular myosin heavy chain, type A; Myosin heavy chain 9; Myosin heavy chain, non-muscle IIA; Non-muscle myosin heavy chain A

**UniProt Accession Number of Target Protein:**

**Published Application(s):** WB, IF

**Published Species Reactivity:** Drosophila, Rat, Human

**Immunogen:** The original antibody was generated via phage display from the Griffin.1 library by screening against Rat liver Golgi (RLG) complexes derived from rat liver.

**Specificity:** This antibody is specific for a very small (29 aa long; <3 kDa) epitope of non muscle Myosin IIA, starting at aa 1536 in the full human sequence.

**Application Notes:** The original format of this antibody (scFv) was successfully used in a Western blot and in for *in vitro* immunofluorescence staining of non muscle Myosin IIA (nmMyoIIA) in HeLa cells (Nizak et al., 2003; PMID: 14617357). Precise characterization of the SF9 target was achieved, defining a very small (<3 kDa) epitope within the ~200kDa nmMyoIIA protein, revealing cross-reactivity with closely related proteins of the same and across species (Vielemeyer et al., 2010; PMID: 20727208).

**Antibody First Published in:** Nizak et al. Recombinant antibodies against subcellular fractions used to track endogenous Golgi protein dynamics in vivo Traffic. 2003 Nov;4(11):739-53. doi: 10.1034/j.1600-0854.2003.00132.x [PMID:14617357](#)

**Note on publication:** The original publication demonstrates the use of recombinant antibodies selected through phage display against subcellular fractions.

## Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.