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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Non muscle Myosin IIA [SF9] Bulk Size Ab04209-30.11-BT

This is an scFv fragment with a His tag.

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

Isotype and Format: scFv fragment (His), ScFv

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: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.