



# 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

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## Anti-Hexon [9C12] Standard Size Ab03440-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 9C12

**Alternative Name(s) of Target:** Hexon protein; CP-H; Protein II

**UniProt Accession Number of Target Protein:** P04133

**Published Application(s):** Blocking, Cryo-EM, crystallization, IP, neutralizing, SPR, WB, ELISA, IF

**Published Species Reactivity:** Human Adenovirus

**Immunogen:** The original antibody was generated by immunizing mice with Ad type 5 (Ad5).

**Specificity:** The antibody binds hexon protein from Ad5 particles. In particular, it binds to HVRs 2, 5 and 7 of the hexon. Hexon is the major coat protein of adenovirus.

**Application Notes:** The antibody was able to neutralize Ad5. Cryo-EM reconstruction of the Ad5-9C12 complex showed that the capsid is coated by a meshwork of bivalently bound antibody molecules. The antibody bound to the hexon protein of Ad5 particles denatured as shown by western blot analysis (Varghese et al., 2004; PMID: 15507619). The crystal structure of scFv fragment of the antibody in complex with human adenovirus C5 hexon was determined (Schmid et al., 2018; PMID: 29386504). The specificity of the original format of the antibody was confirmed by ELISA analysis (Moyer et al., 2016; PMID: 26491163). Wild-type viruses were immunoprecipitated using the antibody (Myerset al., 2013; PMID: 23487468). The binding affinity of the Fab fragment to Adv5 hexon was measured by surface plasmon resonance (Kd= 1 nM) (Bottermann et al., 2016; PMID: 27881870). The antibody detected hexon on A549 cells by immunofluorescence analysis (Smith et al., 2008; PMID: 18448546).

**Antibody First Published in:** Varghese et al. Postentry Neutralization of Adenovirus Type 5 by an Antihexon Antibody. J Virol. 2004 Nov; 78(22): 12320-12332. [PMID:15507619](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody.

### Product Form

**Size:** 200 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.