



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

www.szabo-scandic.com

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

Anti-Trimeric Lewis X [54-5C10-A] Bulk Size Ab00755-5.3-BT

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

Isotype and Format: Mouse IgG3, Fc Silent™, Kappa

Clone Number: 54-5C10-A

Alternative Name(s) of Target: LeX; Lewis X; LewisX; trimeric LeX; Galbeta1-4(Fucalpha1-3)GlcNAcbeta; Lewis X trisaccharide

UniProt Accession Number of Target Protein: O02197

Published Application(s): crystallization, SPR, ELISA, IF

Published Species Reactivity: Schistosoma mansoni

Immunogen: 54-5C10-A mAb was prepared from generating a hybridoma cell line derived from lymphocytes from mice with a schistosomal infection. The mAb was selected for by screening for interaction with the Lewis X epitope by SPR.

Specificity: 54-5C10-A Fab requires at least three repeating units of the Lewis X trisaccharide to bind to CCA (circulating cathodic antigen - an antigen released from the gut of the adult worm which contains different oligomeric presentations of Lewis X). CCA is thought to have an important role in modulating the host's immune response. Lewis X is also found one of the carbohydrate blood group antigens and plays a role in cell adhesion by both carbohydrate-carbohydrate and carbohydrate-protein interactions.

Application Notes: 54-5C10-A can be used in IF assays and can be crystallised as a Fab fragment. The antibody can also be used for SPR and in ELISA (allows diagnosis schistosomiasis in humans).

Antibody First Published in: de Geus et al. Characterization of a diagnostic Fab fragment binding trimeric Lewis X. *Proteins*. 2009 Aug 1;76(2):439-47. [PMID:19173313](#)

Note on publication: Describes the generation of 54-5C10-A and its characterization, including its binding affinity and specificity by SPR, IF assays, structure determination of the Fab by X-ray crystallography and its mode of binding to Lewis X via docking.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

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.