



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-Trimeric Lewis X [54-5C10-A] Bulk Size Ab00755-5.0-BT

**Isotype and Format:** Mouse IgG3, 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 Xray 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.