

FUJIFILM**Wako**Code No. 010-25881 (100 μ L)**Anti Sialyl-Tn Antigen, Monoclonal
Antibody (MLS132)****抗シアリルTn抗原, モノクローナル抗体
(MLS132)**

The Tn antigen and the sialyl-Tn antigen are known as common tumor-associated carbohydrate antigens and biomarkers, since the variative ratio of these antigens is depending on the stage of tumor growth.

Monoclonal Anti Sialyl-Tn antibody is produced by hybridoma clone MLS132, established by immunizing mice with human colonic cancer cell line, LS180 cells.

This antibody was purified from serum-free cultured supernatant by using Protein A affinity chromatography.

This product is for laboratory research use only ; use in any other application is the responsibility of the user.

[Concentration]

Indicated on the label.

[Formulation]

50 mmol/L MOPS (pH 7.5), 150 mmol/L NaCl.

[Recognition region]

- A cluster composed of Sia α 2-6GalNAc-Ser/Thr [Sialyl-Tn antigen]
- Mucin-type glycoprotein.

[Clone No.]

MLS132

[Subclass]IgG₃**[Application]**

Immuno blot
Immunoprecipitation
Immunoaffinity chromatography
ELISA
Immunohistochemistry

[Working Dilution]

Immuno blot 0.5 μ g/mL ~
Immunohistochemistry 1 μ g/mL ~

Please optimize the most appropriate concentration for each applications depending on your analysis conditions and samples.

- 1/2 -

[Expiration date] Indicated on the label.**[Storage]**

Keep at 2-10 °C.

Avoid repeated freeze and thaw.

[Package]

Code No.	Package
010-25881	100 μ L

[References]

- 1) Fukui, S. *et al.*, "Production of monoclonal antibodies directed against carbohydrate moieties of cell surface glycoproteins.", *Jpn. J. Cancer Res.*, **79**, 1119-1129 (1988).
- 2) Tanaka, H. *et al.*, "Binding characteristics of an anti-Sia α 2-6 GalNAc α -Ser/Thr (sialyl Tn) monoclonal antibody (MLS 132).", *Eur. J. Biochem.*, **263**, 27-32 (1999).
- 3) Akita, K. *et al.*, "Different levels of sialyl-Tn antigen expressed on MUC16 in patients with endometriosis and ovarian cancer.", *Int. J. Gynecol. Cancer*, **22**, 531-538 (2012).

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- 2/2 -