

ARG30015 Tn Antigen Antibody Duo (sTn, Tn)

Package: 1 pair
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG53971	anti-Sialyl Tn antibody [STn 219]	Mouse mAb	Hu	FACS, ICC/IF, IHC	250 µl
ARG53970	anti-Tn antigen antibody [Tn 218]	Mouse mAb	Hu	ICC/IF, IHC	250 µl

Summary

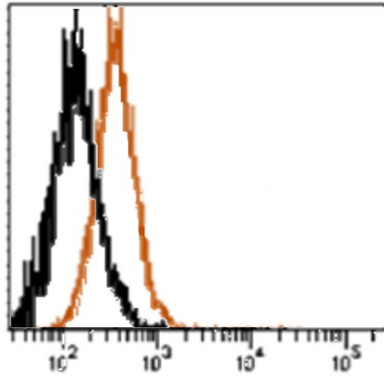
Product Description	<p>The first step in O-linked oligosaccharide synthesis is adding a N-acetylgalactosamine to serine or threonine resulting in the formation of the Tn antigen and Tn antigen can be proceed along different pathways through different glycosylation processes. The additional sialic acid by an $\alpha 2,6$-sialyltransferase forms the sialosyl-Tn antigen (SA$\alpha 2,6$GalNAcα-O-Ser/Thr), moreover, the sialosyl-Tn antigen might not apparently undergo further glycosylation. Both antigens have been shown previously to be highly sensitive and specific markers of various cancer types including colorectal cancer.</p> <p>The abnormal protein glycosylation might associated with human cancer and the identification of protein glycoforms might be cancer biomarkers and therapeutic targets. In addition, the Tn antigen is also expressed by the protein gp120 of the human immunodeficiency virus (HIV), and in a wide range of helminth parasites.</p> <p>arigo provides a Tn antigen antibody Duos, ARG30015, including antibodies reacting Tn antigen and Sialosyl-Tn antigen for users to study the potentially glycol-structure of the target protein in cancer or infectious area and it might be useful to findout the biomarker and therapeutic agent.</p>
Target Name	Tn Antigen
Alternate Names	Tn Antigen antibody; Tn antigen antibody; Sialyl Tn antibody

Properties

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	Antibody Duo for Tn Antigen (sTn, Tn)
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody



ARG53971 anti-Sialyl Tn antibody [STn 219] FACS image

Flow Cytometry: MKN45 cells (orange, positive cell line) and KATO III cells (black, negative cell line) stained with ARG53971 anti-Sialyl Tn antibody [STn 219].