

ARG53971 anti-Sialyl Tn antibody [STn 219]

Package: 500 µl, 250 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [STn 219] recognizes Sialyl Tn
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC
Specificity	This antibody stains colon carcinomas and ovarian mucinous carcinomas producing apical cytoplasmic, apical membrane or luminal staining patterns. It is negative with majority of adult tissue sections.
Host	Mouse
Clonality	Monoclonal
Clone	STn 219
Isotype	IgG1, kappa
Target Name	Sialyl Tn
Immunogen	Ovine submaxillary mucin (OSM)
Epitope	NeuAc α GalNacOSer/Thr
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	FACS	1:200 - 1:1000
	ICC/IF	1:10 - 1:20
	IHC	1:50 - 1:100
Application Note	<p>IHC, ICC (frozen or formalin-fixed paraffin-embedded (FFPE) tissue sections, cell smears. IHC: Use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature (1:50 - 1:100). IF, FITC~conjugated antibodies 10-20 µg/ml (1:10 - 1:20), incubate in the dark for 2 hours at RT or overnight at 4°C. Flow: FITC~conjugated antibodies, 0.2-1.0 µg/0.1 ml (1:200 - 1:1000). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	
Positive Control	Human gastrointestinal tumor, prostate, ovary ca	

Properties

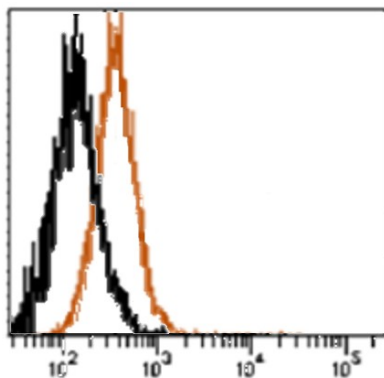
Form	Liquid
Buffer	PBS (pH 7.4), 1% BSA and 0.05% Sodium azide
Preservative	0.05% Sodium azide
Stabilizer	1% BSA

Concentration	0.2 mg/ml
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

Background	Sialyl Tn antigen also known as CD175s is expressed in the majority of colon, gastric, breast and lung carcinoma. The sialyl Tn antigen has a limited expression to being absent in normal colon, pancreas, stomach, ovary, and prostate. This antigen is detected in several adenocarcinomas. It appears to be useful marker for poorly differentiated colon adenocarcinomas.
Highlight	Related Antibody Duos and Panels: ARG30015 Tn Antigen Antibody Duo (sTn, Tn) Related products: Sialyl Tn antibodies; Sialyl Tn Duos / Panels; Anti-Mouse IgG secondary antibodies;
Research Area	Cancer antibody; Controls and Markers antibody; sTn Antigen antibody; Tn Antigen antibody
Calculated Mw	several HM weight glycoproteins
Cellular Localization	Cytoplasmic, apical membrane, luminal

Images



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].