

## ARG66949 anti-Sialyl Tn antibody [STn 219] (FITC)

Package: 500 µl  
Store at: 4°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | FITC-conjugated Mouse Monoclonal antibody [STn 219] recognizes Sialyl Tn   |
| Tested Reactivity   | Hu   |
| Tested Application  | FACS, ICC/IF, IHC-P  |
| 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         | FITC   |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | FACS   | 1:200 - 1:1000 |
|                   | ICC/IF   | 1:10 - 1:20    |
|                   | IHC-P  | 1:200 - 1:1000 |
| Application Note  | <p>IHC, ICC (frozen or formalin-fixed paraffin-embedded (FFPE) tissue sections, cell smears.<br/>           IHC: Use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature (1:50 - 1:100).<br/>           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.<br/>           Flow: FITC~conjugated antibodies, 0.2-1.0 µg/0.1 ml (1:200 - 1:1000).<br/>           * 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 | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

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|-----------------------|--|
| 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:<br><a href="#">ARG30015 Tn Antigen Antibody Duo (sTn, Tn)</a><br>Related products:<br><a href="#">Sialyl Tn antibodies;</a> <a href="#">Sialyl Tn Duos / Panels;</a>   |
| 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  |