

ARG53970 anti-Tn antigen antibody [Tn 218]

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

Summary

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| Product Description | Mouse Monoclonal antibody [Tn 218] recognizes Tn antigen |
| Tested Reactivity | Hu |
| Tested Application | ICC/IF, IHC |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | Tn 218 |
| Isotype | IgM, kappa |
| Target Name | Tn antigen |
| Immunogen | Asialo ovine submaxillary mucin (AOSM) |
| Epitope | alpha GalNacOSer/Thr |
| Conjugation | Un-conjugated |

Application Instructions

| Application table | Application | Dilution |
|-------------------|---|--------------|
| | ICC/IF | 1:25 |
| | IHC | 1:50 - 1:100 |
| Application Note | IHC, ICC (frozen or formalin-fixed paraffin-embedded (FFPE) tissue sections, cell smears). IHC: Using streptavidin-Biotin system or polymer system for 30 minutes at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Human gastrointestinal tumor. | |

Properties

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| Form | Liquid |
| Buffer | PBS (pH 7.4) and 0.05% Sodium azide |
| Preservative | 0.05% Sodium azide |
| 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

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| Background | Aberrant glycosylation is a hallmark of cancer cells. The blood group precursors T (Thomsen-Friedenreich) and Tn epitopes are shielded in healthy and benign-diseased tissues but uncovered in approx. 90% of carcinomas. T and Tn glycoproteins are specific, autoimmunogenic pancarcinoma antigens. These antigens may also be found in neoplastic blood cells. Fundamental chemical and physical aspects of these glycoproteins of primary carcinomas are discussed first. Tn and T epitopes are cell and tissue adhesion molecules, essential in invasion by and metastasis of carcinoma which includes adherent and proliferative phases. Immunohistochemical studies of the extent of Tn antigen expression in primary breast carcinoma demonstrate a highly significant correlation with clinicopathological tumor stages, and hence its value as a reliable prognosticator. |
| Highlight | Related Antibody Duos and Panels: ARG30015 Tn Antigen Antibody Duo (sTn, Tn) ARG30016 T / Tn Antigen Antibody Duo (T, Tn) Related products: Tn antigen antibodies ; Tn antigen Duos / Panels ; Anti-Mouse IgM secondary antibodies ; |
| Research Area | Cancer antibody; Cell Biology and Cellular Response antibody; Tn Antigen antibody; sTn Antigen antibody; T Antigen antibody |
| Calculated Mw | several HM weight glycoproteins. |
| Cellular Localization | Cytoplasmic and epithelial membrane |