

AM10038FC-S**Monoclonal Antibody to CD175s - FITC**

Alternate names:	NeuAc a GalNAc, Sialosyl Tn, Sialosyl-Tn, Sialyl Tn, sTn
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	<p>Sialosyl Tn antigen also known as CD175s is expressed in the majority of colon, gastric, breast and lung carcinoma.</p> <p>The sialosyl Tn has 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. 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.</p>
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10F (for use in human samples)
Clone:	STN219
Immunogen:	<p>Ovine submaxillary mucin (OSM).</p> <p>Remarks: Molecular weight of antigen: Several HM weight glycoproteins.</p> <p>Epitope: NeuAc alphaGalNAcOSer/Thr.</p>
Format:	<p>State: Liquid purified Ig fraction.</p> <p>Buffer System: PBS, pH 7.4</p> <p>Preservatives: 0.05% Sodium Azide</p> <p>Stabilizers: 1% BSA</p> <p>Label: FITC</p>
Applications:	<p>Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears).</p> <p>For IHC dilute concentrated antibody at 1/50-1/100, use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature.</p> <p>Immunofluorescence: 10-20 µg/ml (1/10-1/20), incubate for 2 hours in the dark at RT or it can also be incubated overnight at 4°C.</p> <p>Flow Cytometry: 0.2-1.0 µg/0.1 ml (1/200-1/1,000).</p> <p><u>Recommended Positive Control:</u> Human gastrointestinal tumor, prostate, ovary ca. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>The specificity of this antibody is similar to B 72.3 antibody.</p> <p><u>Cellular Localization:</u> Cytoplasmic, apical membrane, luminal.</p> <p>Species: Human.</p> <p>Other species not tested.</p>

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
This product is photosensitive and should be protected from light.
Shelf life: One year from despatch.

General Readings:

1. Gold, DV et. al. Tumor Biol. 9: 137-144, 1990.
2. Siddiki, B et. al. Intl. J Cancer, 54: 467-474, 1993.
3. Itzkowitz, S, S et. al. Cancer, 66: 1960-1966, 1990.
4. Wang, F et. al. J Histochem. Cytochem. 49:1581-1591, 2001.
5. Ju, T et. al. Cancer Res. 68: 1636-1646, 2008.
6. Pinho, S, et. al. Cancer Lett. 249: 157, 2006.