

**AM10038PU-S****Monoclonal Antibody to CD175s - Purified**

<b>Alternate names:</b>	NeuAc a GalNAc, Sialosyl Tn, Sialosyl-Tn, Sialyl Tn, sTn
<b>Quantity:</b>	0.5 ml
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	<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>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	STN219
<b>Immunogen:</b>	Ovine submaxillary mucin (OSM) <b>Remarks: Molecular weight of antigen:</b> Several HM weight glycoproteins. <b>Epitope:</b> NeuAc alphaGalNAcOSer/Thr.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative.
<b>Applications:</b>	<p>Suitable for <b>Immunohistochemistry</b> and <b>Immunocytochemistry</b> (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><b>Immunofluorescence.</b></p> <p><b>Flow Cytometry.</b></p> <p><i>Recommended Positive Control:</i> Human gastrointestinal tumor, prostate, ovary ca</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>The specificity of this antibody is similar to B 72.3 antibody.</p> <p>Cellular Localization: Cytoplasmic, apical membrane, luminal.</p> <p><b>Species:</b> Human.</p> <p>Other species not tested.</p>
<b>Storage:</b>	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: One year from despatch.</p>

**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.