

## Product datasheet for **AM10039PU-N**

### CD175 Mouse Monoclonal Antibody [Clone ID: TN218]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TN218
Applications:	IF, IHC
Recommended Dilution:	<b>Immunohistochemistry</b> and <b>Immunocytochemistry</b> (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears): 1/50-1/100 using streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature. <b>Immunofluorescence.</b> <b>Recommended Positive Control:</b> Human gastrointestinal tumor.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Asialo ovine submaxillary mucin (AOSM).
Specificity:	This antibody stains Tn antigen in epithelial carcinoma, pancreatic, colon, stomach, breast. <b>Cellular Localization:</b> Cytoplasmic and epithelial membrane.
Formulation:	PBS, pH 7.4 containing 0.05% Sodium Azide as preservative. State: Supernatant State: Liquid concentrated cell culture medium.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.



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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.

**Synonyms:**

Blood Group Tn Antigen