

IMMUNOBIOSCIENCE CORP. (IBSC)*DATA SHEET***Sialosyl-Tn antigen/CD175s (NeuAc α GalNAc), Mouse MAb anti-**

Catalog number: MM-1019-01	0.5 ml	Concentrated	IgG1	0.2 mg/ml
MM-1019-02	1.0 ml	Concentrated	IgG1	0.2 mg/ml
MM-1019-04	7.0 ml	Prediluted for IHC	IgG1	5 μ g/ml
MM-1019-15	0.5 ml	FITC~conjugated	IgG1	0.2 mg/ml
MM-1019-16	1.0 ml	FITC~conjugated	IgG1	0.2 mg/ml

Buffer The antibodies are supplied with 1% BSA in PBS with 0.05% azide, pH 7.4. The Prediluted antibody is supplied in our Universal antibody dilution buffer (AR-6526) green in color.

Description: Sialosyl Tn antigen also known as CD175s is expressed in the majority of colon, gastric, breast and lung carcinoma. The specificity of this antibody is similar to B 72.3 antibody. 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.

Intended Use: Immunohistochemistry (IHC) and Immunocytochemistry (ICC) Immunofluorescence (IF), Flow cytometry (not tested at our lab).

Storage: 2-8°C

Clone: STn 218

Isotype: IgG1/ κ

Epitope: NeuAc α GalNAcOSer/Thr

Molecular weight of antigen: several HM weight glycoproteins.

Immunogen: .Ovine submaxillary mucin (OSM)

Species reactivity: Human, others not tested.

Cellular Localization: Cytoplasmic, apical membrane, luminal

Recommended positive control: Human gastrointestinal tumor, prostate, ovary ca.

Application: IHC, ICC (frozen or formalin-fixed paraffin-embedded (FFPE) tissue sections, cell smears.

For IHC dilute conc. antibodies 1:50-1:100, use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature.

Prediluted antibody is ready to be used for IHC.

IF, FITC~conjugated antibodies 10-20 μ g/ml (1:10-1:20), incubate for 2 hours in the dark at RT or it can also be incubated overnight at 4°C.

Flow: FITC~conjugated antibodies, 0.2-1.0 μ g/0.1 ml (1:200-1:1,000) (Not tested in our lab).

The optimum dilution should be determined by the individual lab.

General References

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

Limitation and warranty: Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

MSDS: This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat, gloves and safety glasses. Do not ingest any lab products. This product is not approved for administration in human or animals.

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