



**Category:**  
Monoclonal Antibodies

**Cat. #**  
V1110-2

**Product Name:**  
**Thomsen-Friedenreich Antigen (TF),  
Asialo Glycophorin, Gal $\beta$ 1-3 GalNAc**

**Description:**  
Monoclonal Mouse Anti-Human Thomsen-Friedenreich Antigen (TF), Asialo Glycophorin, Gal $\beta$ 1-3 GalNAc.

**Immunogen:**  
Neuraminidase-treated red blood cells (Human)

**Application:**  
Immunohistochemistry 1:50-1:100.

**Species Reactivity:**  
Human. Others not tested.

**Recommended Positive Control:**  
Thomsen-Friedenreich Antigen, Human colorectal carcinoma tissues.

**Presentation:**  
20 mM tris-borate, 150 mM Sodium Chloride, and 0.05% Sodium Azide, pH 7.5.

**Aliquoting Instructions:**  
Do not dilute the entire reconstituted solution at once. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

**Staining Procedure:**  
The antibody can be used on frozen cryostat sections as well as formalin-fixed paraffinembedded tissue sections. For paraffin-embedded tissue sections, we recommend an incubation time and temperature of 30 minutes at 37°C for this antibody, when used in conjunction with immunoperoxidase staining kit.

**Specificity:**  
This antibody reacts with Human Thomsen-Friedenreich Antigen (TF), Asialo Glycophorin, Gal $\beta$ 1-3 GalNAc. Thomsen-Friedenreich antigen (Gal $\beta$ 1-3GalNAc $\alpha$  $\beta$ 1) is a glycoprotein. It is usually present on cell surfaces in a cryptic form covered by N-acetyl neuraminic acid moieties and released into circulation in many different cancers. It is considered as a pan carcinoma marker. This antibody can be applied for the detection of cells with TF antigen and is especially applicable for sensitive determination of neuraminidases.

**Storage:**  
Refrigerate at 4°C. Do not freeze.

**Size:** 0.2mg  
**Clone:** B385 (A68-E/E3)  
**Isotype:** IgM  
**Host:** Mouse  
**Form:** purified  
**Concentration:** 0.5 mg/ml  
**Units On Hand:** YES

**References:**  
1. Yu, Lu-Gang (2007). "The oncofetal Thomsen-Friedenreich carbohydrate antigen in cancer progression". Glycoconjugate Journal 24 (8): 411-20.  
2. Dippold, W.; Steinborn, A.; Büschenfelde, K. H. M. z. (1990). "The Role of the Thomsen-Friedenreich Antigen As a Tumor-Associated Molecule". Environmental Health Perspectives 88: 255-7.

**For Research Use Only**

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