Mab to
Thomsen-Friedenreich
Pan-Tumor Antigen / CD176

Clone: A78-G/A7
Category: Mouse monoclonal
Form/Purification: Culture supernatant
Ig Class: IgM
Immunogen: Human asialoglycophorin A

Specificity:
The antigen / epitope is mainly found on the cell membrane. A78-G/A7 binds to CD176 cell surface antigen / asialoglycophorin but not to glycophorin. It agglutinates neuraminidase-treated but not untreated human erythrocytes. The epitope is sensitive to periodate oxidation. Positive reactions are found for primary breast cancer and colorectal cancer and metastases derived therefrom. Normal colonic adjacent tissue is negative, whereas breast epithelium may react, esp. luminal membranes. In immunocytochemistry positive staining is also found with acute myelogenous leukemia cells (HL-60, KG-1). In immunoblotting a major band of 155 kDa is detectable. Specific binding with both anomers of TF as well as with the TFβ-related asialo-GL1.

Application:
- Immunocytochemistry
- Immunoprecipitation
- Immunoblotting
- Immunofluorescence
- Immunohistochemistry
- Suitable for frozen tissue and paraffin-embedded sections.

Antigen Recognized in Species (tested so far):
Human

Working Dilution:
1:10 – 1:50 (dilute in PBS buffer with 0.01% NaN3)

Storage:
After reconstitution, 3 months at 2 -8°C; for extended storage keep at -20°C (avoid repeated freezing / thawing!)

Quantity:
1 ml (lyoph., 40-50 µg) ; contains 0.01% NaN3 as preservative; reconstitute with 1 ml dist. water

References:

Cat. No. 65176