

Mouse Thomsen-Friedenreich Antigen/CD176 Monoclonal Antibody

Thomsen-Friedenreich Antigen/CD176 (Pan Carcinoma Marker)

CATALOG # AAA215344	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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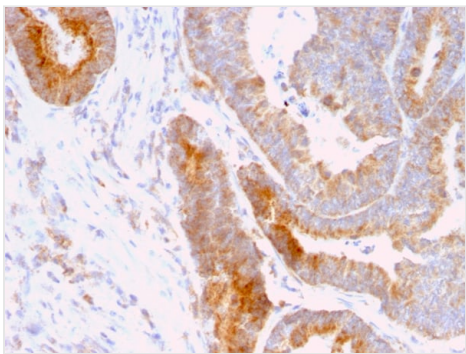
PRODUCT SYNONYMS

Thomsen-Friedenreich Antigen/CD176; Monoclonal Antibody; Thomsen-Friedenreich Antigen/CD176 (Pan Carcinoma Marker); T-F Antigen; TF Antigen; Asialoglycophorin; pan-carcinoma marker; CD176; anti-Thomsen-Friedenreich Antigen/CD176 antibody

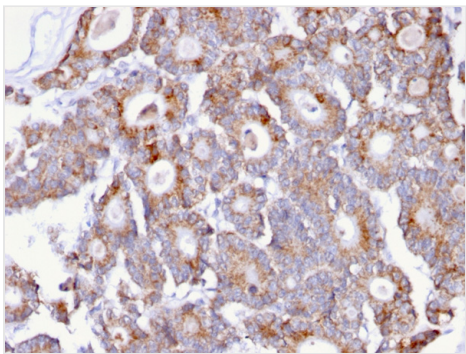
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	A84-A/F10
Specificity	Recognizes a disaccharide epitope, Gal 1-3GalNAc, of Thomsen-Friedenreich (TF) antigen. It is specific for both anomeric forms of the disaccharide (TF and TF, including related structures on the glycolipid) and shows no cross-reactivity with sialylated glycophorin. The TF antigen acts as an oncofetal antigen, with low expression in normal adult tissues but increasing to fetal levels of expression in hyperplasia or malignancy. Considered to be a pan-carcinoma marker. It is capable to agglutinate desialylated red blood cells. During metastasis, the ability of malignant cells to form multicellular aggregates via homotypic or heterotypic aggregation and their adhesion to the endothelium are critical. It is involved in tumor cell adhesion and tissue invasion. It also causes an immune response, and overexpression of the antigen causes cancer cells to be more sensitive to natural killer cell lysis. TF antigen is suppressed in normal healthy cells and represents one of the few chemically well-defined antigens associated with tumor malignancy. Its presence on the surface of cancer cells may result from a divergence from the normal pathway for O-linked glycosylation in these cells, most likely caused by inappropriate localization of the enzymes involved in synthesis of the disaccharide.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-Thomsen-Friedenreich Antigen/CD176 antibody	IHC (Immunohistochemistry)
Positive Control	KG1 cells. Human colorectal carcinoma tissues.
Immunogen	Neuraminidase-treated human red blood cells
Cellular Localization	Cell Surface
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

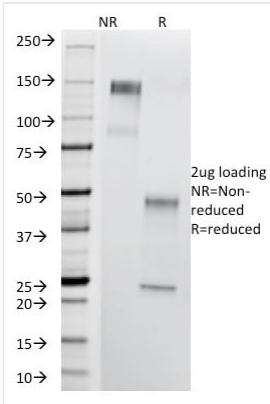
IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with T-F Antigen Mouse Monoclonal Antibody (A84-A/F10).



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with T-F Antigen Mouse Monoclonal Antibody (A84-A/F10).



SDS-PAGE
SDS-PAGE Analysis Purified T-F Antigen Mouse Monoclonal Antibody (A84-A/F10).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References

1. Baldus SE et al. Cancer 1998, 82(6):1019-27. 2. Karsten U et al. Hybridoma 1995, 14(1):37-44

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/thomsen-friedenreich-antigen-cd176-antibody-clone-a84-a-f10-immunohistochemistry-elisa/215344>