

Polyclonal Antibody to TFE3 - Aff - Purified

Catalog No.:	15-288-20056A
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Mucin glucoprotein is a sialyl Lewis ^x structure which is synthesized from type 1 blood group precursor chains and is present in individuals expressing the Lewis ^x and/or Lewis ^b blood group antigens. In normal tissues, sialyl Lewis ^x antigen is present in ductal epithelium of the breast, kidney, salivary gland, and sweat glands. Its expression is greatly enhanced in serum as well as in the majority of tumor cells in gastrointestinal (GI) carcinomas.
Host / Isotype:	Chicken
Format:	State: Lyophilized purified Ig fraction. Purification: Affinity chromatography. Buffer System: PBS, pH 7.2 with 10 mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% Thimerosal as a preservative. Reconstitution: Restore with 0.5 ml distilled water.
Applications:	Suitable for Immunohistochemistry on: Frozen sections: 1 μ g/ml (1/100) Paraffin sections: 2 μ g/ml (1/50); pretreatment not necessary. Suggested positive control: Human tonsil. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody 1025.63.7 can be used as a tumor marker for pancreas and colon carcinoma on frozen tissue sections and in serum except for patients with "Le O" blood group determinant. It recognizes SLe ^x and to a lesser degree SLe ^x . The antigen is sensitive to formaldehyde fixation and paraffin embedding.
Storage:	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Do not freeze working dilutions Avoid repeated freezing and thawing. Shelf life: One year from despatch.
General References:	1. Begent, R. & Rustin, G.J.S.: Tumor markers: from carcinoembryonic antigen to products of hybridoma technology. <i>Cancer Surveys</i> 8: 107-121. (1989) 2. Haglund, C. et al.: Tumor markers in pancreatic Cancer. <i>Scand. J. of Gastroenterol.</i> 21: 75-78. (1986) 3. Del Villano, B.C. et al.: Radioimmunometric assay for a monoclonal antibody-defined tumor marker, CA 19-9. <i>Clin. Chem.</i> 29: 549-552. (1983)

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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4. Magnani, J.L. et al.: Identification of the gastrointestinal and pancreatic cancer associated antigen detected by monoclonal antibody 19-9 in the sera of patients as a mucin. *Cancer Res.* 43: 5489-5492. (1983)

5. Tempero, M. et al.: Relationship of carbohydrate antigen 19-9 and Lewis antigen in pancreatic cancer. *Cancer Res.* 47: 501-503. (1987)

Protocols:

Protocol with frozen, ice-cold acetone-fixed sections:

The whole procedure is performed at room temperature

1. Wash in PBS
2. Block endogenous peroxidase
3. Wash in PBS
4. Block with 10% normal goat serum in PBS for 30min. in a humid chamber
5. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber
6. Wash in PBS
7. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber
8. Wash in PBS
9. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.
10. Wash in PBS
11. Counterstain with Mayer's hemalum

Protocol with formalin-fixed, paraffin-embedded sections:

The whole procedure is performed at room temperature

1. Deparaffinize and rehydrate tissue section
2. Block endogenous peroxidase
3. Wash in PBS
4. Block with 10% normal goat serum in PBS for 30min. in a humid chamber
5. Incubate with primary antibody (dilution see datasheet) for 1h in a humid chamber
6. Wash in PBS
7. Incubate with secondary antibody (peroxidase-conjugated goat anti mouse IgG+IgM (H+L) minimal-cross reaction to human) for 1h in a humid chamber
8. Wash in PBS
9. Incubate with AEC substrate (3-amino-9-ethylcarbazol) for 12min.
10. Wash in PBS
11. Counterstain with Mayer's hemalum.

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