

Data Sheet

ALPHA-3, 4-MONOFUCOSYLATED POLYLACTOSAMINOGLYCANS

ANTIBODY, MONOCLONAL

Catalog no.:	A 1052.1 / A 1052.2
Immunogen:	Purified mucus glycoproteins (mucins) from human amniotic fluid
Host:	Mouse Balb/c
Clone no.:	FW6
Isotype:	IgM
Matrix:	Cell culture supernatant, purified, PBS pH 7.4
Specificity:	Alpha-3, 4-monofucosylated Polylactosaminoglycans on mucins, oncofetal antigen
Contents:	10 µg / 100 µg (lyophilized) Resuspend in 10 µl / 100 µl aqua bidest.
Known applications:	ELISA, Western Blot ² , immunohistochemistry (paraffin sections) ^{1, 2, 3} , immunocytochemistry ¹ This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.
Store at:	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided

- References:**
- Schwonzen M, Schmits R, Baldus SE, Vierbuchen M, Hanisch FG, Pfreundschuh M, Diehl V, Bara J, Uhlenbruck G (1992). Monoclonal antibody FW6 generated against a mucin-carbohydrate of human amniotic fluid recognises a colonic tumour-associated epitope. *Br J Cancer* **65**(4): 559-565.
 - Hanisch FG, Heimbüchel G, Baldus SE, Uhlenbruck G, Schmits R, Pfreundschuh M, Schwonzen M, Vierbuchen M, Bara J, Peter-Katalinic J (1993). Monoclonal antibody FW6 defines an epitope on alpha 3/4-monofucosylated polylactosaminoglycans expressed by fetal and colon carcinoma-associated mucins. *Cancer Res* **53**(18): 4367-4375.
 - Baldus SE, Vierbuchen M, Hanisch FG, Schwonzen M, Fischer R (1995). Expression of alpha-3/4-monofucosylated polylactosaminoglycan epitope, as defined by monoclonal antibody FW6, is a marker of the colorectal adenoma- carcinoma sequence. *Cancer* **76**(6): 954-960.

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For research use only

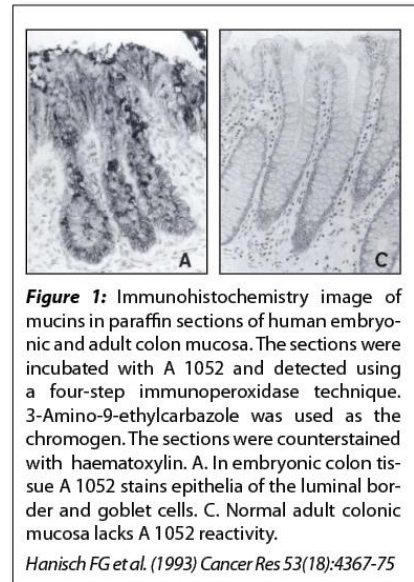


Figure 1: Immunohistochemistry image of mucins in paraffin sections of human embryonic and adult colon mucosa. The sections were incubated with A 1052 and detected using a four-step immunoperoxidase technique. 3-Amino-9-ethylcarbazole was used as the chromogen. The sections were counterstained with haematoxylin. A. In embryonic colon tissue A 1052 stains epithelia of the luminal border and goblet cells. C. Normal adult colonic mucosa lacks A 1052 reactivity.

Hanisch FG et al. (1993) *Cancer Res* **53**(18):4367-75





Antibodies

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Publishing research using A 1052? Please let us know so that we can cite your publication as a reference.



Immundiagnostik AG

Stubenwald-Allee 8a · 64625 Bensheim · Germany

Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com