

Mouse anti-MUC 1, clone MRQ-17

Clone no. MRQ-17

MONOSAN Ready To Use

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Product name	Mouse anti-MUC 1, clone MRQ-17
Host	Mouse
Applications	IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	MRQ-17
Size	7 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Mucins are high molecular weight glycoproteins which constitute the major component of the mucus layer that protects the gastric epithelium from chemical and mechanical injury. In humans, at least 14 mucin genes have been identified that code for the mucin proteins. Mucin genes are expressed in a regulated cell- and tissue-specific manner. The stomach provides a good example of such differential expression of mucin genes. MUC1 is detected in mucous cells of the surface epithelium and neck region of the gastric antrum, as well as in pyloric glands and oxyntic glands of the body region. The heterogeneous pattern of mucin expression, including the expression of the intestinal mucin MUC2, may provide new insights into the differentiation pathways of gastric carcinoma.

**References**

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2. Leteurtre E, et al. World J Gastroenterol. 2006; 12:3324-31.
3. Mino-Kenudson M, et al. Arch Pathol Lab Med. 2007; 131:86-90
4. Mizoshita T, et al. Histol Histopathol. 2007; 22:251-60
5. O'Connell FP, et al. Arch Pathol Lab Med. 2005; 129:338-47

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