

**Mouse Anti-MUC6 [CLH5]: MC0874, MC0874RTU7**

**Intended Use:** For Research Use Only

**Description:** Mucin 6 (Muc-6 Glycoprotein). Mucins are heavily glycosylated glycoproteins, which constitute the major components of mucus which cover the surface of epithelial tissues. Nine distinct epithelial mucin genes (Muc-1, 2, 3, 4, 5AC, 5B, 6,7 and 8) have been identified. Various immunohistochemical and in situ hybridization studies have shown that these mucins are differentially expressed in epithelia with cell-type specificity. Muc-5AC and Muc-6 glycoproteins are the first two mucins found in superficial epithelium and Muc-6 glycoprotein is found in the deep glands.

**Specifications**

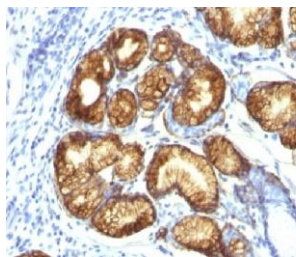
Clone: CLH5  
 Source: Mouse  
 Reactivity: Human  
 Immunogen: Synthetic peptide of human gastric mucin 6 tandem repeat sequence  
 Isotype: IgG1k  
 Localization: Cytoplasm, secreted  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, Flow Cyt., ICC/IF  
 Package:

Description	Catalog No.	Size
MUC6 Concentrated	MC0874	1 ml
MUC6 Prediluted	MC0874RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue: Stomach  
 Concentrated Dilution: 25-100  
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human gastric carcinoma stained with anti-MUC6 using DAB

**References**

1. Associations between the Expression of Mucins (MUC1, MUC2, MUC5AC, and MUC6) and Clinicopathologic Parameters of Human Breast Ductal Carcinomas. Sung-Im Do, et al. J Breast Cancer. Jun; 16(2): 152–158, 2013.
2. Expression of mucins (MUC1, MUC2, MUC3, MUC4, MUC5AC and MUC6) and their prognostic significance in human breast cancer. Emad A Rakha1 et al. Modern Pathology, 18, 1295–1304, 2005.
3. Altered mucin expression in the gastrointestinal tract: A review. J R Jass, et al. Journal of Cellular and Molecular Medicine. Jul 2001.
4. Intestinal metaplasia of human stomach displays distinct patterns of mucin (MUC1, MUC2, MUC5AC, and MUC6) expression. Reis C A, et al. Cancer Res. 59(5): 1003-1007, 1999.