

## MUC2 Mouse Monoclonal Antibody Product Datasheet

Catalog# BX50172

Clone# CCP58

**Predicted Molecular Wt:** 540kDa

**Species Cross-reactivity:** Human

**Applications:** IHC-P

**Purity:** ProG affinity purified IgG

**Form:** Liquid

**Swissprot ID:** Q02817

### Background:

Mucin 2 glycoprotein (MUC2) is a 540 kDa glycoprotein belonging to the superfamily of mucins. Mucins are high molecular weight glycoproteins produced by epithelial cells and can be divided into two families; secretory mucins and membrane bound mucins. MUC2 is a mucus-forming secreted mucin found in the cytoplasm of goblet cells in small intestine, colon, bronchus and salivary glands. MUC2 expression has been noted in primary gastrointestinal tract tumors of colonic, gastric and esophageal origin. MUC2 expression has also been found in goblet cells in colorectal carcinoma metastatic to the ovary, but not in primary mucinous ovarian adenocarcinoma.

### Subcellular location:

Cytoplasm

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

A 29 amino acids synthetic peptide (MI-29) containing one repeat unit of 23 amino acids and part of the next repeat of four amino acids in the VNTR (variable number of tandem repeats).

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-25°C to -18°C

### Storage instructions:

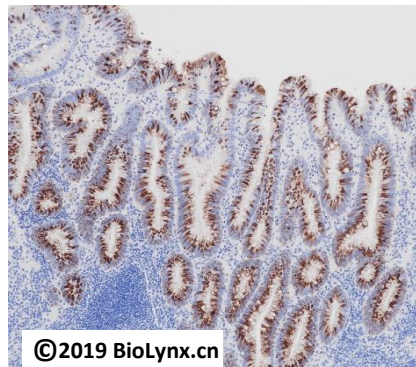
Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Chaves P, et al. Dis Esophagus. 2005; 18:383-7.
2. Mino-Kenudson M, et al. Arch Pathol Lab Med. 2007; 131:86-90.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human appendix tissue labelling MUC2 with CCP58. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:



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