

## Mouse anti-MUC-2 (Mucin 2)

**Cat. No. and Size:** **513-16564:** 1 ml mouse monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide  
**513-16561:** 7 ml pre-diluted mouse monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

**Intended Use:** For research use only. Not for use in diagnostic procedures.  
**Clone:** SPM512  
**Immunogen:** Synthetic peptide corresponding to a site on the MUC-2 glycoprotein.  
**Ig Isotype:** Mouse IgG1  
**Epitope:** Not determined  
**Molecular Weight:** 520 kDa  
**Species Reactivity:** Human (tested). Others not tested.

**Description:** Secreted epithelial mucins are large macromolecules which exhibit extreme polydispersity. Mucin 2 is the major intestinal mucin. O-glycans are attached to Muc-2 in a potentially diverse arrangement, which is crucial for their interaction with endogeneous and exogeneous lectins.

**Applications:** Immunohistochemistry (IHC) on formalin-fixed, paraffin-embedded tissue sections.

**IHC Procedure:** **Antibody Dilution:** If using the concentrate format of this product, dilute the antibody 1:200. The dilutions are estimates; actual results may differ because of variability in methods and protocols.  
**Antigen Retrieval:** Boil tissue section in 10 mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.  
**Primary Antibody incubation:** Incubate for 30 minutes at RT.

**Positive Control:** Small intestine  
**Cellular Localization:** Membrane, cytoplasm

**Storage and Stability:** Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. Every antibody is expiration dated. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

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Explanation of the symbols on the product label:

<b>REF</b>	Bestellnummer Catalog Number Reference du catalogue		Verwendbar bis Use By Utiliser jusque		Gebrauchsanweisung beachten Consult Instructions for use Consulter les instructions d'utilisation
<b>LOT</b>	Chargenbezeichnung Batch Code Code du lot		Lagerungstemperatur Temperature Limitation Limites de température	<b>RUO</b>	Nur für Forschungszwecke For Research Use Only Pour la recherche uniquement
<b>IVD</b>	In vitro Diagnostikum In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro		Achtung Warning Attention		Hersteller / Manufacturer / Fabricant Zytomed Systems GmbH • Anhaltinerstraße 16 14163 Berlin, Germany • Tel: (+49) 30-804 984 990 www.zytomed-systems.de