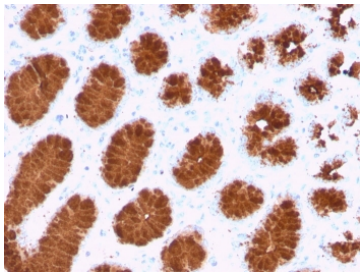
# Recombinant MUC5AC Antibody [clone rMUC5AC/3779] (V7969)

| Catalog No. | Formulation | Size |
|---|---|---|
| V7969-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7969-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7969SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

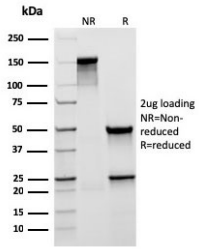
Recombinant MOUSE MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | rMUC5AC/3779 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P98088 |
| **Localization** | Cytoplasmic |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml |
| **Limitations** | This recombinant MUC5AC antibody is available for research use only. |



IHC staining of FFPE human colon with recombinant MUC5AC antibody (clone rMUC5AC/3779). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free recombinant MUC5AC antibody (clone rMUC5AC/3779) as confirmation of integrity and purity.

## Description

This MAb recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC).Its epitope is located in the C-terminal cysteine rich part of the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. This mucin is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

For broader research on MUC5AC expression in gastric and respiratory mucus, including the widely published 45M1 clone, see our MUC5AC Antibody 45M1 / Gastric and Respiratory Mucin Marker page.

## Application Notes

Optimal dilution of the recombinant MUC5AC antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human MUC5AC protein was used as the immunogen for this recombinant MUC5AC antibody.

## Storage

Store the recombinant MUC5AC antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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