

## MUC5AC Antibody [clone 2-11M1] (V2739)

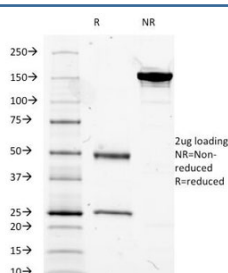
Catalog No.	Formulation	Size
V2739-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2739-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2739SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (6)

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	2-11M1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P98088
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	ELISA : 2-4ug/ml for coating (order BSA/sodium azide-free format) Western Blot : 1-2ug/ml Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml
<b>Limitations</b>	This MUC5AC antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free MUC5AC Antibody (clone 2-11M1). Confirmation of Integrity and Purity of the Antibody.

## Description

This mAb recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC). 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.

It has been found that treating the testing sample with Papain or mercaptoethanol will destroy the M1 epitope for the 2-11M1 antibody (Ref. 1; Cancer Research 46.8 (1986): 3983-3989.)

## Application Notes

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

## Immunogen

An M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient was used as the immunogen for the MUC5AC antibody.

## Storage

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

## References (1)