abcam

ab255736

Anti-MUC13 antibody [C14] - BSA and Azide free

Recombinant

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	C14
Purification technique	Affinity purification Protein A
Concentration	1.041 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1.082 µg/mL
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	10.82 µg/mL
Notes	-

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information MUC13

Function	Epithelial and hemopoietic transmembrane mucin that may play a role in cell signaling.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab255736 is the carrier-free version of ab231159.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Want a custom formulation?
This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

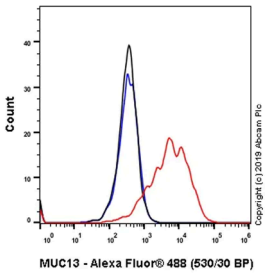
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

2 product images

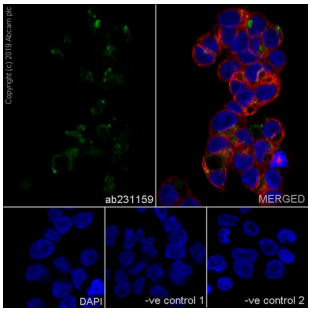


Flow Cytometry - Anti-MUC13 antibody [C14] - BSA and Azide free (ab255736)

MUC13 Flow Cytometry staining using mouse Anti-MUC13 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide (ab231159).
Flow Cytometry analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized T84 (human colon epithelial cell) cells labeling MUC13 with ab231159 at a 1.082µg/ml (red) compared to a mouse monoclonal IgG isotype control (black) and cells without incubation with primary antibody and secondary antibody (blue). Goat anti-mouse IgG (Alexa Fluor® 488, ab150113) was used as the secondary at a 1/2000 dilution.

Gated on viable cells.



Immunocytochemistry/ Immunofluorescence - Anti-MUC13 antibody [C14] - BSA and Azide free (ab255736)

MUC13 Immunocytochemistry/ Immunofluorescence staining using mouse Anti-MUC13 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide (ab231159).
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized LoVo (human colorectal adenocarcinoma epithelial cell) cells labeling MUC13 with ab1231159 at 10.82µg/ml, followed by Goat Anti-Mouse IgG (Alexa Fluor® 488) (ab150113) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on LoVo cell line. The nuclear counterstain is DAPI (blue).
Counterstains:
ab179504 Anti-beta IV Tubulin antibody - Microtubule Marker
ab150080 AlexaFluor®594 Goat anti-Rabbit secondary.

The negative controls are as follows:

-ve control 1: ab231159 at 1/50 dilution, followed by ab150080 AlexaFluor®594 Goat anti-Rabbit secondary at a 1/1000 dilution.

-ve control 2: ab179504 at 1/200 dilution, followed by ab150113 AlexaFluor®488 Goat anti-Rabbit secondary at a 1/1000 dilution.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.