abcam

ab8956

Anti-Mitotic Cells antibody [8B3G]

Key facts

Isotype	IgM
Host species	Mouse
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Cell preparation containing T24 cell line protein. The exact immunogen used to generate this antibody is proprietary information.
Clone number	8B3G
Purification technique	Affinity purification Immunogen
Specificity	Strongly stains mitotic cells and can therefore be used in flow cytometric analyses of cell suspensions to detect the mitotic index. Together with a quantitative DNA staining procedure (e.g. propidium iodide) this antibody clearly distinguishes these M-phase cells from cell at other stages of the cell cycle. Dynamic information can be obtained by combining BrdU incorporation with antibody staining, which can distinguish and quantitate the four major fractions of the cell cycle. This antibody can be used for flow cytometric analyses and immunocytochemistry, it is not suitable for immunoblotting.
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-Fr

Tested

Species	Zebrafish
Dilution info	-
Notes	-

Expected

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

Flow Cyt

Tested

Species	Human
Dilution info	1/50 - 1/100
Notes	ab91545 - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.

Expected

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

Target data

See full target information Mitotic Cells

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

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

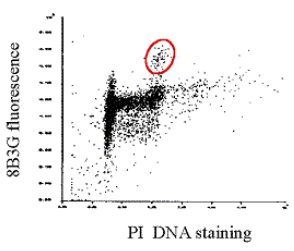
We do not recommend this combination. It is not covered by our product promise.

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.

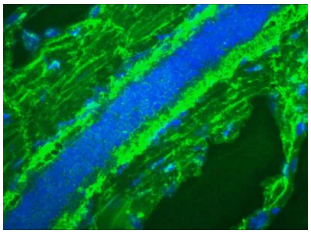
3 product images



Flow Cytometry - Anti-Mitotic Cells antibody [8B3G] (ab8956)

Mitotic Cells Flow Cytometry staining using mouse Anti-Mitotic Cells antibody

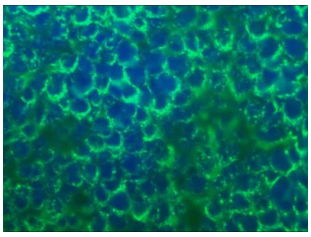
Dual parameter flow cytometric analysis of human colon cancer HT29 cells stained with monoclonal antibody 8B3G and propidium iodide (PI). The mitotic cell fraction is encircled.



Immunohistochemistry (Frozen sections) - Anti-Mitotic Cells antibody [8B3G] (ab8956)

Mitotic Cells Immunohistochemistry (Frozen sections) staining using mouse Anti-Mitotic Cells antibody

ab8956 staining a membrane-associated compound in proliferating (all) cells in tissue sections of 9 day old Zebrafish embryos by Immunohistochemistry (Frozen sections). Samples ware frozen sections fixed in Acetone:Methanol 1:1. ab8956 used at 1:50 dilution and incubated for 45 minutes at room temperature.



Immunohistochemistry (Frozen sections) - Anti-Mitotic Cells antibody [8B3G] (ab8956)

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