

Actin Monoclonal Antibody (mAbGEa)

Product Details

Size	100 µL
Species Reactivity	Bovine, Fruit fly, Human, Mouse, Sheep, Plant, Rat, Xenopus, Yeast, Zebrafish
Published Species	Yeast, Pig, Rat, Bacteria, Plant, Human, Mouse, Xenopus
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	mAbGEa
Conjugate	Unconjugated
Immunogen	Purified Arabidopsis actin protein.
Form	Liquid
Storage buffer	ascites
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2223496

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:1,000	77 Publications
ELISA (ELISA)	✓	Assay dependent	1 Publication
Immunohistochemistry (IHC)	✓	1:100	2 Publications
Immunoprecipitation (IP)	-		1 Publication
ChIP assay (ChIP)	-		1 Publication
Miscellaneous PubMed (MISC)	-		3 Publications
Immunofluorescence (IF)	✓	1:10-1:100	2 Publications
Immunocytochemistry (ICC)	✓	1:10-1:100	1 Publication

Product Specific Information

MA1-744 detects actin protein in human, mouse, rat, bovine, sheep, drosophila, zebra fish (Danio rerio), yeast, arabidopsis and xenopus samples. This antibody has shown cross-reactivity with actin 1, 2, 3, 4, 7, 8, 11 and 12.

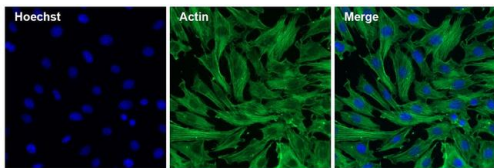
MA1-744 has successfully been used in Western blot and ELISA procedures. By Western blot, this antibody detects a 45 kDa protein representing actin.

The MA1-744 immunogen is purified actin protein from Arabidopsis.

Product Images For Actin Monoclonal Antibody (mAbGEa)

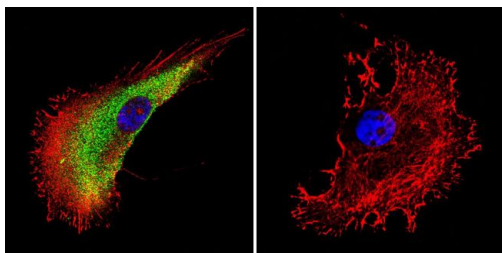
Actin Antibody (MA1-744) in IF

Immunofluorescent analysis of Actin (green) in 3T3 cells. The cells were permeabilized with 0.1% Triton X-100 in TBS for 15 minutes, and blocked with 3% Blocker BSA in PBS (Product # 37525) for 15 minutes at room temperature. Cells were stained with an Actin mouse monoclonal antibody (Product # MA1-744), at a dilution of 1:100 in blocking buffer for at least 1 hour at room temperature, and then incubated with a Goat anti-Mouse IgG Superclonal secondary antibody, Alexa Fluor 488 conjugate (Product # A28175) at a dilution of 1:1000 for 30 minutes at room temperature (green). Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



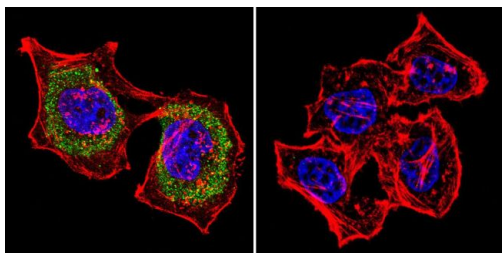
Actin Antibody (MA1-744) in IF

Immunofluorescent analysis of Actin using Anti-Actin Monoclonal Antibody (mAbGEa) (Product # MA1-744) shows staining in A375 Cells. Actin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Actin (Product # MA1-744) at a dilution of 1:20 over night at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35503, Goat Anti-Mouse). Images were taken at 60X magnification.



Actin Antibody (MA1-744) in IF

Immunofluorescent analysis of Actin using Anti-Actin Monoclonal Antibody (mAbGEa) (Product # MA1-744) shows staining in HeLa Cells. Actin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Actin (Product # MA1-744) at a dilution of 1:20 over night at 4°C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35503, Goat Anti-Mouse). Images were taken at 60X magnification.



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88 References

Western Blot (77)

Communications biology

Conserved Pbp1/Ataxin-2 regulates retrotransposon activity and connects polyglutamine expansion-driven protein aggregation to lifespan-controlling rDNA repeats.

"Published figure using Actin monoclonal antibody (Product # MA1-744) in Western Blot"

Authors: Ostrowski LA, Hall AC, Szafranski KJ, Oshidari R, Abraham KJ, Chan JNY, Krustev C, Zhang K, Wang A, Liu Y, Guo R, Mekhail K

Species
Not Applicable

Dilution
Not Cited

Year
2018

Veterinary research

MicroRNA expression profiling of goat peripheral blood mononuclear cells in response to peste des petits ruminants virus infection.

"Published figure using Actin monoclonal antibody (Product # MA1-744) in Western Blot"

Authors: Qi X, Wang T, Xue Q, Li Z, Yang B, Wang J

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more WB references on thermofisher.com](#)

ELISA (1)

Experimental and therapeutic medicine

Combination treatment of captopril and prazosin to treat patients with gestational hypertension.

Authors: Hong B, Ding X, lia H, Zhang J

Species
Human

Dilution
Not Cited

Year
2018

Immunohistochemistry (2)

Molecules (Basel, Switzerland)

Polyphenols from *Tamarix nilotica*. LCESI-MSⁿ Profiling and In Vivo Antifibrotic Activity.

"Published figure using Actin monoclonal antibody (Product # MA1-744) in Immunohistochemistry"

Authors: Sekkien A, Swilam N, Ebada SS, Esmat A, El-Khatib AH, Linscheid MW, Singab AN

Species
Not Applicable

Dilution
Not Cited

Year
2018

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