

beta Actin Loading Control Monoclonal Antibody (BA3R), Biotin

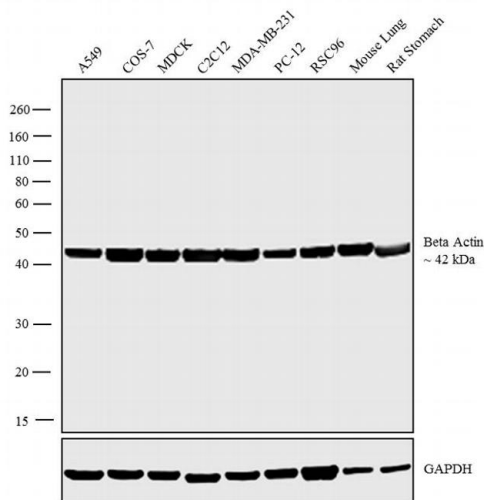
Product Details	
Size	50 µL
Species Reactivity	Dog, Chicken, Human, Mouse, Non-human primate, Rabbit, Rat
Published Species	Rat, Human
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	BA3R
Conjugate	Biotin
Immunogen	Beta-actin N-terminal peptide.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2537661

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	9 Publications
Flow Cytometry (Flow)	2 µg/test	-

Product Specific Information

MA5-15739-BTIN has been successfully used for Western blot and FACS applications.

Product Images For beta Actin Loading Control Monoclonal Antibody (BA3R), Biotin

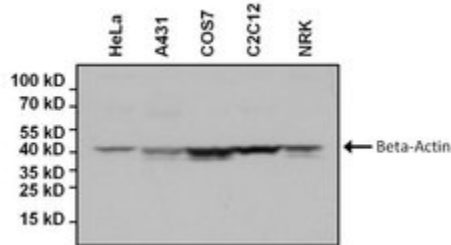


beta Actin Loading Control Antibody (MA5-15739-BTIN) in WB

Western blot analysis was performed on whole cell extracts (30 μ g lysate) of A549 (Lane 1), COS-7 (Lane 2), MDCK (Lane 3), C2C12 (Lane 4), MDA-MB-231 (Lane 5), PC-12 (Lane 6), RSC96 (Lane 7), tissue extracts of Mouse Lung (Lane 8) and Rat stomach (Lane 9). The blot was probed with beta Actin Loading Control Monoclonal Antibody (BA3R), Biotin (Product # MA5-15739-BTIN, 1 μ g/mL) and detected by chemiluminescence. A 42 kDa band corresponding to beta Actin was observed across the cell lines and tissues tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10% Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary antibody following blocking with 5 % skimmed milk. This is followed by incubating the membrane with Poly-HRP Streptavidin (Product # N200, 1:10,000 dilution). Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

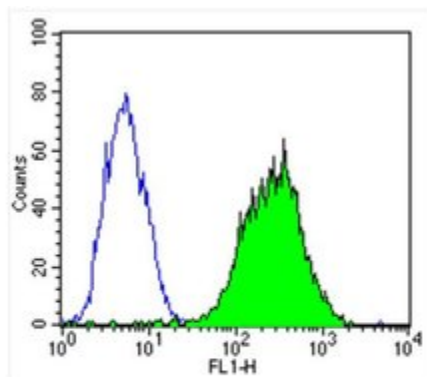
beta Actin Loading Control Antibody (MA5-15739-BTIN) in WB

Western blot analysis of Beta-Actin was performed by loading 30 μ g of various whole cell lysates per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a nitrocellulose membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with a biotinylated Beta-Actin monoclonal antibody (Product # MA5-15739-BTIN) at a dilution of 1:1000 for 1 hour at room temperature, followed by Streptavidin-HRP (Product # 21126) at a dilution of 1:20,000 for 30 minutes at room temperature. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34078).



beta Actin Loading Control Antibody (MA5-15739-BTIN) in Flow

Flow cytometry analysis of Beta Actin in NIH-3T3 cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of $1-5 \times 10^6$ cells/mL, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a Beta Actin loading control antibody (Product # MA5-15739) at a dilution of 2 μ g/test for 40 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated secondary antibody and re-suspended in PBS for FACS analysis.



Cell: 3T3

Concentration: 2 μ g/test (100 μ l)

Theory location: Cytoplasm

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Western Blot (9)

Frontiers in pharmacology

Targeting the Eph/Ephrin System as Anti-Inflammatory Strategy in IBD.

"MA5-15739-BTIN was used in Western Blotting to point to a potential role of the EphB/ephrin-B system as a pharmacological target in intestinal inflammatory disorders."

Authors: Grandi A,Zini I,Palese S,Giorgio C,Tognolini M,Marchesani F,Bruno S,Flammini L,Cantoni AM,Castelli R, Lodola A,Fusari A,Barocelli E,Bertoni S

Species
Human

Dilution
Not Cited

Year
2020

Journal of neuroinflammation

CLEC14A deficiency exacerbates neuronal loss by increasing blood-brain barrier permeability and inflammation.

"Published figure using beta Actin Loading Control monoclonal antibody (Product # MA5-15739-BTIN) in Western Blot"

Authors: Kim Y, Lee S, Zhang H, Lee S, Kim H, Kim Y, Won MH, Kim YM, Kwon YG

Species
Not Applicable

Dilution
Not Cited

Year
2020

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