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PRODUCT DATASHEET

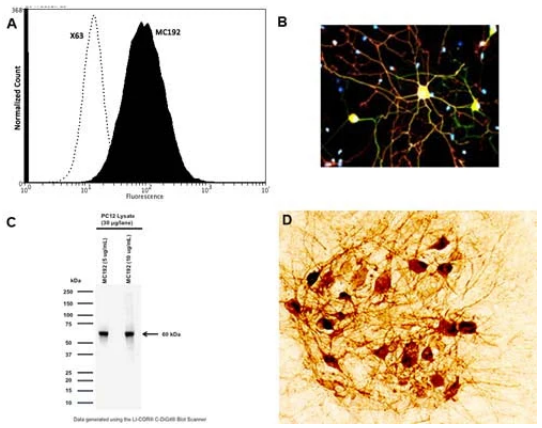
Anti-mCherry Antibody

Product Details

Available Variants	100 µg (SKU:M-1653-100)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	1C51
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, WB
Dilution Ranges	WB: 1:1000-1:2000 ICC: 1:250-1:500
Immunogen	Recombinant full length mCherry expressed and purified from E. coli.
Specificity	The antibody reacts with a band at ~28 kDa corresponding to intact full-length mCherry by Western blot on HEK293 cells transfected with mCherry vector. It has also been used successfully for immunocytochemistry.
Molecular Weight	28 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	X5DSL3
Country of Origin	United States

Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Detection of mCherry protein (red) in transfected HEK293 cells by **Immunocytochemistry**. The cells were stained with anti-mCherry antibody in the green channel. Transfected cells appear yellow, showing overlap of the transfected mCherry protein and the anti-mCherry antibody. Untransfected HEK293 cells do not express mCherry and do not stain with the antibody, but their nuclei can be visualized using a DNA stain (blue). **Right: Western blot** analysis of HEK293 cell lysates, and recombinant protein solutions using mouse antibody to mCherry (green, 1:1,000). [1] protein standard, [2] HEK293 control cells, [3] HEK293 cells transfected with mCherry-HA construct, [4] mCherry recombinant protein, [5] GFP recombinant protein, and [6] HEK293 transfected with GFP construct. The major band at about 30 kDa corresponds to mCherry protein. The antibody does not react with GFP protein. The same blot was simultaneously probed an antibody to HSP60 (red, lanes 2-6).

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