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PRODUCT DATASHEET

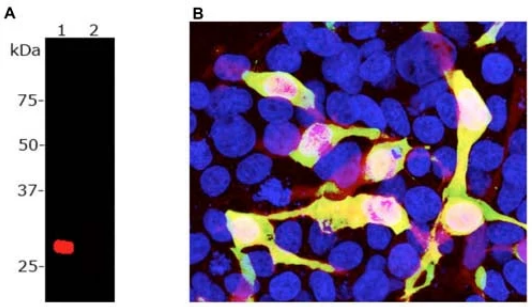
Anti-mCherry Antibody

Product Details

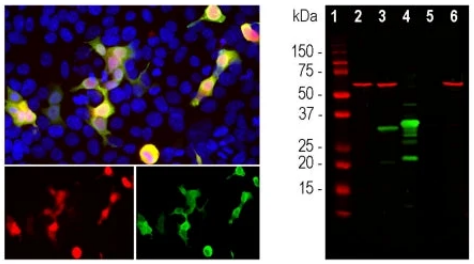
Available Variants	100 µL (SKU:C-1655-100)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	Concentrated purified IgY
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:1000-1:5000 ICC: 1:500-1:1000
Immunogen	Recombinant full length mCherry.
Specificity	The antibody reacts with a band at ~28-30 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	28-30 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized, unopened vial at 2-8°C or lower. After reconstitution, prepare aliquots and store at -20°C to -80°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



A: Western blot analysis of HEK293 cells transfected with pFin-EF1-mCherry vector. C-1655-100 (1:2,000 dilution) reveals a strong protein band in transfected cells (Lane 1). Non-transfected control cells (Lane 2) show no mCherry protein band.
B: Immunofluorescence analysis of mCherry-transfected HEK293 cells with C-1655-100. Specificity of C-1655-100 for mCherry is shown by superimposing mCherry fluorescence (red) with C-1655-100 antibody staining (green), which results in a yellow color. mCherry staining is also seen in the nucleus, which might be due to degradation of mCherry molecules, causing the release of the low molecular weight mCherry fluorochrome.



Left: HEK293 cells transfected with a mCherry (red) were stained with chicken antibody to mCherry (green). Blue: DAPI nuclear stain. Transfected cells appear bright red, and co-stain for mCherry chicken antibody. Superimposition of both signals results in yellow-orange colour. **Right: Western blot** analysis of transfected and control HEK293 cell lysates, and recombinant proteins with chicken antibody to mCherry (1:2,000, green). [1] protein standard, [2] HEK293 control, [3] HEK293 cells transfected with mCherry, [4] recombinant mCherry protein, [5] recombinant GFP protein, [6] HEK293 transfected with GFP. The major band at about 30 kDa corresponds to mCherry protein and the slightly larger recombinant form runs at about 33 kDa due to presence of a His tag and other vector derived sequences. No cross-reactivity with GFP protein is observed. The same blot was simultaneously probed with a mouse antibody to HSP60 (red), which reveals a band at 60 kDa only in cell lysates.

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