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## AmCyan Mouse mAb

Catalog Number: bsm-33184M

Target Protein: AmCyan

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 5F9

Isotype: IgG

Applications: WB (1:1000-5000)

Reactivity: Species independent

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size : 200ug (PBS only)

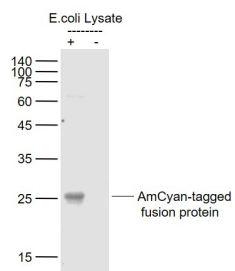
0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** AmCyan1 is a human codon-optimized variant of the wild-type Anemonia majano cyan fluorescent protein (AmCyan) that exhibits enhanced emission characteristics (excitation and emission maxima: 458nm and 489nm, respectively). DD-AmCyan1 is a modified version of AmCyan1 that is tagged on its N-terminus with the ProteoTuner destabilization domain (DD). The presence of this destabilization domain causes rapid, proteasomal degradation of the fluorescent fusion protein; however, when the membrane permeant ligand Shield1 is added to the medium, it binds to the destabilization domain and protects the fusion protein from degradation.

### VALIDATION IMAGES

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Sample: Lane 1: AmCyan-Tagged fusion protein (full length) Overexpression E.coli Lysate (Cat#: bs-33184P) at 4 ug Lane 2: Control (-) E.coli Lysate at 4 ug Primary: Anti- AmCyan-Tag (bsm-33184M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 25 kD