
RuBisCO Mouse mAb

Catalog Number: bsm-33226M

Target Protein: RuBisCO

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.: 3G5

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Arabidopsis Thaliana

Predicted MW: 52 kDa

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.

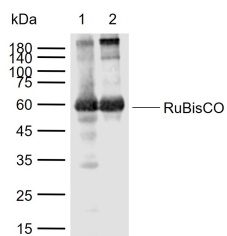
Size : 200ug (PBS only)

0.01M PBS

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

Background: RuBisCO catalyzes two reactions: the carboxylation of D-ribulose 1,5-bisphosphate, the primary event in carbon dioxide fixation, as well as the oxidative fragmentation of the pentose substrate in the photorespiration process. Both reactions occur simultaneously and in competition at the same active site.

VALIDATION IMAGES



Sample: Lane 1: Brassica oleracea L. leaves (Plant) lysates Lane 2: Chinese cabbage leaves (Plant) lysates
 Primary: Anti-RuBisCO (bsm-33226M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 52 kDa Observed band size: 58 kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.2] Wen Wang. et al. Characterization of a novel γ -type carbonic anhydrase, Sjy-CA2, in *Saccharina japonica*: Insights into carbon concentration mechanism in macroalgae. INT J BIOL MACROMOL. 2024 Apr;263:130506 WB ; *Saccharina japonica* . 38423426

[IF=4.9] Qilei Zhang. et al. Adaptation of the Invasive Plant *Sphagneticola trilobata* to Flooding Stress by Hybridization with Native Relatives. INT J MOL SCI. 2024 Jan;25(12):6738 WB ; *Sphagneticola trilobata* . 38928441