Anti-Cry1A antibody

Catalog: PHY0621

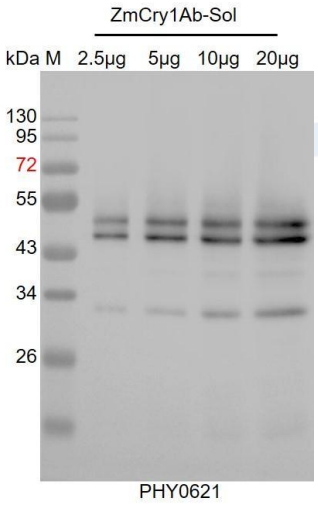
Product Information

Description:	Mouse monoclonal antibody
Background:	The crystal protein is produced during sporulation and is accumulated both as an inclusion and as part of the spore coat. It promotes colloidosmotic lysis by binding to the midgut epithelial cells of many lepidopteran larvae.
Synonyms:	Cry1A
Immunogen:	Synthetic peptide (13 aa from Central section) of Cry1Ab/1Ac/1Ah/1C serial protein derived from *Bacillus thuringiensis* (E3TBL2).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Protein A purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	60-70 kDa
Confirmed Reactivity:	*Zea mays*
Predicted Reactivity:	Anti-Cry1A recognizes recombinant Cry1Ab/1Ac/1Ah/1C protein and transgenic rice.

Application Example



ZmCryAb-Sol: 2.5 μg, 5 μg, 10 μg and 20 μg total soluble protein from transgenic *Zea mays* leaf respectively.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:2000 dilution overnight at 4℃.

Secondary antibody: 1:5000 dilution using Goat Anti-Mouse IgG H&L (HRP) (Cat# PHY6006).

Detection: using chemiluminescence substrate and image were captured with CCD camera.