



## Specification Sheet

| Antibody against BT Cry 1Ab/Ac  |               |   |
|---|---------------|---|
| Product Name  |               | BT Cry 1Ab/Ac mAb4  |
| Catalog Number  |               | A80-Ab8   |
| Lot Number  |               |   |
| Description   |               | Monoclonal antibody to <i>Bacillus Thuringiensis</i> (BT) crystal (Cry) protein 1Ab and 1Ac   |
| Product Profile   | Immunogen     | <i>Bacillus Thuringiensis</i> crystal proteins 1Ab  |
|   | Specificity   | Specific for BT Cry 1Ab/1Ac in GMO plant (corn, etc) Specific for Cry 1Ab/Ac in <i>Bacillus Thuringiensis</i> bacteria  |
|   | Format        | Liquid  |
|   | Buffer        | 50 mM NaCl, 20 mM PBS pH 7.4, with 0.1% NaN <sub>3</sub>  |
|   | Source/Clone  | Mouse ascites / Monoclonal  |
|   | Subclass      | IgG1  |
|   | Purification  | Protein A affinity chromatography purified  |
|   | Concentration |   |
|   | Purity        | >95%  |
| Application   |               | Suitable for use in ELISA or Lateral flow immunoassay (double antibody test for BT Cry 1Ab/Ac detection) as well as in Western Blot. Other applications have not been tested but use in such assays should not be excluded.   |
| Performance review  |               | <ul style="list-style-type: none"><li>Reactive to BT Cry 1Ab/Ac in BT cotton, rape etc, but not reactive to some type of BT Corn (compare to A80-Ab1 and A80-Ab2, which is activity for BT Cry 1Ab/Ac from all kind of BT GMO plant)</li><li>Capable of creating tests with sensitivity of 5 ng/ml or 0.2% (1 BT GMO seed in 500 Non-GMO seed).</li><li>Recommended pair for double antibody immunoassay: Coating: A80-Ab8; labeling: A80-Ab9</li></ul> |
| Store at  |               | 2-8°C. For long-term storage, freeze at -20°C.  |
| Precautions and Disclaimer  |               | This product contains NaN <sub>3</sub> , which has been classified as Harmful, in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent NaN <sub>3</sub> build-up in drains.   |
| Note  |               | Centrifuge before opening to ensure complete recovery of vial contents  |
| FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY,<br>NOT FOR USE IN DIAGNOSTIC PRODEDURES |               |   |

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