

## Mouse anti-Carbofuran Monoclonal Antibody

Cat. No. CAB048    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source              | Ascites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Antigen Information | Carbofuran is one of the most toxic carbamate <b>pesticides</b> . It is marketed under the trade names Furadan, by FMC Corporation and Curater, among several others. It is used to control insects in a wide variety of field crops, including potatoes, corn and soybeans. It is a systemic insecticide, which means that the plant absorbs it through the roots, and from here the plant distributes it throughout its organs (mainly vessels, stems and leaves; not the fruits), where insecticidal concentrations are attained. Carbofuran also has contact activity against pests. |
| Molecular formula   | C <sub>12</sub> H <sub>15</sub> NO <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alias               | Carbofuran; Furadan; Curater; 2,3-dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Molar mass          | 221.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CAS number          | 1563-66-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Appearance          | Clear colorless solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Format              | Purified, Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                      |                                                     |
|----------------------|-----------------------------------------------------|
| <b>Immungen</b>      | Carbofuran-BSA                                      |
| <b>Purification</b>  | Protein A                                           |
| <b>Buffer</b>        | 0.01mol/L phosphate buffered saline, pH 7.4         |
| <b>Concentration</b> | 1 mg/ml                                             |
| <b>Storage</b>       | Short-term store at 2-8°C, Long term store at -20°C |

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