

Mouse anti-Organophosphorous Monoclonal Antibody

Cat. No. CAB050 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Source Ascites

Antigen Information

The organophosphorus (OP) pesticides inhibit acetylcholinesterase. Hence acetylcholine accumulates at nerve synapses and neuromuscular junctions, stimulating muscarinic and nicotinic receptors and the central nervous system. They are used as pesticides but can also be used as "nerve gas". This is prohibited under the Geneva Convention but could be used by terrorists or rogue regimes. There is some suggestion that the use of organophosphate pesticides may have caused some neurotoxicity and be responsible for "Gulf War Syndrome". Certainly insecticides were freely used, as were many other chemicals. The syndrome is inconsistent in sufferers but is neither simply a post traumatic stress disorder nor the result of organophosphorous poisoning.^{1,2} Epidemiology. There are no accurate figures kept about the incidence of organophosphate poisoning.

Appearance Clear colorless solution

Format Purified, Liquid

Immunogen BSA-organophosphorous

Purification Protein A

Buffer 0.01mol/L phosphate buffered saline, pH 7.4

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Concentration	1 mg/ml
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Storage	Short-term store at 2-8°C, Long term store at -20°C
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