

## Mouse Phenobarbital Monoclonal Antibody

Phenobarbital antibody

|                              |                      |                                                   |
|------------------------------|----------------------|---------------------------------------------------|
| CATALOG #<br><b>AAA74549</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>To be determined by end-user</b> |
|------------------------------|----------------------|---------------------------------------------------|

### PRODUCT SYNONYMS

Phenobarbital; Monoclonal Antibody; Phenobarbital antibody; Monoclonal Phenobarbital; Anti-Phenobarbital; anti-Phenobarbital antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity              | To be determined by end-user                                                                                                                                                                                                                                                                                                                                                                           |
| Clonality               | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype                 | IgG1                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clone Number            | M4020510                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format             | Purified from murine ascites and supplied in PBS, pH 7.0, with 0.02% NaN <sub>3</sub> .                                                                                                                                                                                                                                                                                                                |
| Concentration           | Typically 2-5 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                    |
| Biological Significance | Phenobarbital is a barbiturate and the most widely used anticonvulsant worldwide. It also has sedative and hypnotic properties but, as with other barbiturates, has been superseded by the benzodiazepines for these indications. Phenobarbital is no less effective at seizure control than more modern drugs such as phenytoin and carbamazepine. It is, however, significantly less well tolerated. |
| Biohazard Information   | This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.                                                                                                                                                                                                                                                    |
| Affinity Constant       | $5 \times 10^{10}$ l/mol                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen               | Phenobarbital antibody was raised in mouse using phenobarbital-KLH as the immunogen.                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                |

### ADDITIONAL INFORMATION

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|-------------------------------------------------------------|-----------------------------------------|
| Related Product Information for anti-Phenobarbital antibody | Mouse monoclonal Phenobarbital antibody |
| Product Categories/Family for anti-Phenobarbital antibody   | <a href="#">Drugs &amp; Toxicology</a>  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/phenobarbital-antibody-clone-m4020510-elisa/74549>