

## Caffeine Monoclonal Antibody

MAB to Caffeine

CATALOG #  
**AAA57757**

HOST  
**Host: Mouse. Hybridization of P3X63-Ag8.653 myeloma cells with spleen cells from Balb/c mice. Source: Ascites**

### PRODUCT SYNONYMS

Caffeine; Monoclonal Antibody; MAb to Caffeine; Monoclonal Antibody to Caffeine; anti-Caffeine antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Host: Mouse. Hybridization of P3X63-Ag8.653 myeloma cells with spleen cells from Balb/c mice.<br>Source: Ascites                                                                                                                                                                                 |
| Clonality               | Monoclonal                                                                                                                                                                                                                                                                                       |
| Isotype                 | IgG2b                                                                                                                                                                                                                                                                                            |
| Specificity             | Caffeine<br>Crossreactivity: Caffeine - 100%<br>Theophylline - 11.4%<br>Theobromine - 2.1%<br>3-Methylxanthine - 0.4%<br>1, 7-Dimethylxanthine - 0.3%<br>8-Chlorotheophylline - 0.3%<br>Xanthine - <0.05%<br>Uric Acid - <0.05%<br>1-Methyluric Acid - <0.05%                                    |
| Purity/Purification     | Protein A column chromatography                                                                                                                                                                                                                                                                  |
| Form/Format             | Purified, Liquid                                                                                                                                                                                                                                                                                 |
| Concentration           | 2.76mg/ml (OD280nm, E <sup>1</sup> % = 14) (varies by lot)                                                                                                                                                                                                                                       |
| Immunogen               | Caffeine-3-KLH                                                                                                                                                                                                                                                                                   |
| Affinity Constant       | 1.3 x 10 <sup>9</sup> M <sup>-1</sup>                                                                                                                                                                                                                                                            |
| Buffer                  | PBS, pH 7.4                                                                                                                                                                                                                                                                                      |
| Preservative            | 0.1% Sodium azide                                                                                                                                                                                                                                                                                |
| Important Note          | Centrifuge before opening to ensure complete recovery of vial contents.                                                                                                                                                                                                                          |
| Warnings                | This product contains sodium azide, which has been classified as Xn (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 azide build-up in drains. |
| Preparation and Storage | Short term (up to 6 months) store at 2 to 8 degree C. Long term, aliquot and store at -20 degree C. Avoid multiple freeze/thaw cycles.                                                                                                                                                           |

### ADDITIONAL INFORMATION

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| Product Categories/Family for anti-Caffeine antibody | Monoclonal Antibodies to Drugs |
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**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://stage.aaabiotech.com/monoclonal/caffeine-antibody-elisa/57757>