



## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** G45110M **Lot #:** 3I25914

**Description:** MAb to Caffeine  
Monoclonal Antibody to Caffeine

**Specificity:** Cross-Reactivity:

Caffeine	100%	Xanthine	<0.05%
Theophylline	11.4%	Uric Acid	<0.05%
Theobromine	2.1%	1-Methyluric Acid	<0.05%
3-Methylxanthine	0.4%	8-Methylxanthine	<0.05%
1, 7-Dimethylxanthine	0.3%	7-Methylxanthine	<0.05%
8-Chlorotheophylline	0.3%	1-Methylxanthine	<0.05%

**Clone:** 9401

**Host Animal:** Mouse. Hybridization of P3X63-Ag8.653 myeloma cells with spleen cells from BALB/c mice. **Isotype:** IgG<sub>2b</sub>

**Source:** Ascites

**Immunogen:** Caffeine-3-KLH

**Format:** Purified, Liquid

**Purification:** Prosep A Chromatography

**Concentration:** 6.43 mg/mL (OD280nm, E<sup>1%</sup> = 14)

**Affinity Constant:** 1.3 x 10<sup>9</sup> M<sup>-1</sup>

**Buffer:** PBS, pH 7.4

**Preservative:** 0.09% Sodium Azide

**Applications:** For competitive RIA or EIA for caffeine quantitation. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Short term (up to 6 months) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

**Warning:** 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.

*Robert Ott*

Signature

12 January 2016

Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**