

## CERTIFICATE OF ANALYSIS

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

**Catalog #:** G01254M **Lot #:** 2D10720

**Description:** MAb to Tramadol  
Monoclonal Antibody to Tramadol

**Specificity:** Tramadol  
Cross-reactivity (Based on ELISA (Tramadol at 10 ng/mL)):  
(+/-) Chlorpheniramine 0.1%  
Diphenhydramine 0.3%  
Pheniramine 0.04%  
PCM 0.2%

**Host Animal:** Mouse **Isotype:** IgG<sub>1</sub>

**Source:** Ascites

**Immunogen:** Tramadol-BgG

**Format:** Purified, Liquid

**Purification:** Protein A Chromatography

**Concentration:** 4.18 mg/mL (OD280nm)

**Buffer:** 0.05 M Phosphate, pH 7.15 containing 0.85% Sodium Chloride.

**Preservative:** 0.05% Sodium Azide

**Applications:** Specific methodologies have not been tested using this product.

**Storage:** Short term store at 2-8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycles.

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

*Blanca Gelle*

16 APR 2020

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**