

## 12-8178: Anti-Tramadol-(Clone TRAM-8804)

**Clonality :** Monoclonal  
**Clone Name :** TRAM-8804  
**Application :** ELISA  
**Isotype :** Mouse IgG1 k

### Description

Specificity: Anti-Tramadol (clone TRAM-8804) is specific for tramadol. Tramadol - 100%

Background: Tramadol, a centrally-acting analgesic opioid, is commonly prescribed for the management of moderate to moderately severe pain. Tramadol exerts its analgesic effects through a dual mechanism of action: it binds to mu-opioid receptors and inhibits serotonin and norepinephrine reuptake. This unique combination makes tramadol effective in addressing both nociceptive and neuropathic pain. In 2014 it was listed as a Class IV drug by the FDA due to its high potential for misuse and abuse, particularly in individuals with a history of substance abuse.

### Product Info

**Amount :** 1.0 mg  
**Purification :** Purity: >90% for SDS PAGE  
Preparation: This monoclonal antibody is purified by ion exchange chromatography.  
Concentration:  $\geq 1.0$  mg/ml  
**Content :** Formulation: Formulated in 0.015M potassium phosphate buffered saline (0.85%), pH 7.2 and contains 0.05% sodium azide.  
**Storage condition :** This purified antibody is stable when stored at 2-8°C. Do not freeze.