

## 12-8355: Anti-Clozapine-(Clone CLO-4718)

**Clonality :** Monoclonal  
**Clone Name :** CLO-4718  
**Application :** ELISA  
**Isotype :** Mouse IgG1 k

### Description

**Specificity:** Anti-Clozapine (clone CLO-4718) has the following specificity: Clozapine - 100%, Aripiprazole  
**Background:** Olanzapine, a second-generation or atypical antipsychotic, is widely used in the management of various mental health disorders, including schizophrenia and bipolar disorder. Introduced in the late 20th century, olanzapine exerts its therapeutic effects by antagonizing multiple neurotransmitter receptors, particularly dopamine and serotonin receptors in the brain. This dual-action helps to modulate the imbalances in these neurotransmitters associated with psychotic disorders. Olanzapine's method of action also involves histamine and alpha-adrenergic receptors blockade, contributing to its efficacy and potential side effects. Diagnostic testing for olanzapine is not standard practice, but periodic monitoring may be considered in specific cases for therapeutic drug monitoring. Blood tests can be utilized to measure olanzapine levels, aiding clinicians in optimizing dosage to achieve optimal symptom control while minimizing adverse effects. This tailored approach to monitoring ensures a personalized and effective treatment strategy for individuals prescribed olanzapine for various psychiatric conditions.

### 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.