

## 12-8356: Anti-Clozapine-(Clone CLO-8289)

**Clonality :** Monoclonal  
**Clone Name :** CLO-8289  
**Application :** ELISA  
**Isotype :** Mouse IgG1 k

### Description

Specificity: Anti-Clozapine (clone CLO-8289) has the following specificity: Clozapine - 100%, Aripiprazole  
Background: Clozapine, a unique atypical antipsychotic, is primarily employed in the treatment of schizophrenia, particularly in cases resistant to other antipsychotic medications. Introduced in the 1970s, clozapine stands out due to its distinct mechanism of action, primarily antagonizing dopamine receptors, but also influencing other neurotransmitter systems, including serotonin, histamine, and adrenergic receptors. This broad-spectrum modulation contributes to its efficacy in managing symptoms. Notably, clozapine is associated with a risk of agranulocytosis, a potentially life-threatening reduction in white blood cell count. Due to this risk, regular blood monitoring, specifically complete blood cell counts, is crucial for individuals on clozapine therapy. These diagnostic tests are essential for detecting early signs of agranulocytosis, allowing for prompt intervention and ensuring the overall safety and effectiveness of clozapine treatment in patients with severe or treatment-resistant schizophrenia.

### 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.