Leinco Technologies, Inc.
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Anti-Clozapine

Hybridoma Monoclonal Antibody

Product Information

Product No.: C549
Clone: CLO-8289
Isotype: Mouse IgG1 κ
Storage: Sterile 2° to 8°C

Product Description

Specificity:
Anti-Clozapine (clone CLO-8289) has the following specificity: Clozapine - 100%, Aripiprazole <1%

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.

Format:
Purified

Immunogen:
Clozapine-BSA

Formulation
Formulated in 0.015M potassium phosphate buffered saline (0.85%), pH 7.2 and contains 0.05% sodium azide.

Purity
≥95% by SDS Page

Storage and Stability
This purified antibody is stable when stored at 2 to 8°C

Do Not Freeze

Product Preparation
This monoclonal antibody is purified by ion exchange chromatography

Country of Origin
USA

References
1) Haidary HA, Padhy RK. Clozapine. Treasure Island (FL): StatPearls Publishing; 2024

Products are for research use only. Not for use in diagnostic or therapeutic procedures.
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