

12-8157: Anti-Ketamine-(Clone KET-0498)

Clonality : Monoclonal
Clone Name : KET-0498
Application : ELISA
Isotype : Mouse IgG2a k

Description

Specificity: Anti-Ketamine (clone KET-0498) is specific for ketamine. Ketamine - 100% Norketamine - 60% .
Background: Ketamine is a nonbarbiturate dissociative anesthetic that has been approved for use in general anesthesia both alone and in combination with other medications. Ketamine's primary mechanism of action involves antagonizing N-methyl-D-aspartate (NMDA) receptors in the brain, leading to dissociation of sensory perceptions and producing analgesic and hallucinogenic effects. Recent research has shown long-lasting antidepressant activity and chronic pain relief likely due to structural brain changes induced by the drug. Ketamine has emerged as a novel and promising treatment for certain psychiatric conditions, such as treatment-resistant depression and post-traumatic stress disorder (PTSD), administered in controlled clinical settings. However, its misuse, particularly in recreational settings, raises concerns due to its dissociative effects and potential for addiction.

Product Info

Amount : 1.0 mg
Purification : Purity: >90% for SDS PAGE
Preparation: This monoclonal antibody is purified by ion exchange chromatography.
Content : Concentration: ≥ 1.0 mg/ml
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.