

**12-8158: Anti-Ketamine-(Clone KET-1153)**

**Clonality :** Monoclonal  
**Clone Name :** KET-1153  
**Application :** ELISA  
**Isotype :** Mouse IgG2a k

**Description**

Specificity: Anti-Ketamine (clone KET-1153) 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.  
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.