

Fentanyl Antibody

Purified

Hybridoma Monoclonal Antibody

Product Information

Product No.: F192

Clone: FEN4152

Isotype: Mouse IgG1 κ

Storage: Sterile 2 to 8°C

Product Description

Specificity:

Anti-fentanyl (Clone FEN4152) recognizes fentanyl.

Background:

Fentanyl is a potent synthetic opioid analgesic that was originally developed as a powerful painkiller. Compared to other opioids, fentanyl is about 50-100 times stronger than heroin and morphine. In recent years, fentanyl has gained notoriety for its widespread misuse and involvement in a significant number of overdose deaths. Illicitly manufactured fentanyl, often mixed with other drugs or sold as a standalone substance, has become a major contributor to the opioid crisis. The drug's high potency poses a heightened risk of overdose, and its presence in the illegal drug market has led to a surge in opioid-related fatalities.

Format:

Purified

Immunogen:

Fentanyl-KLH

Formulation

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

Purity

>90% for SDS PAGE

Storage and Stability

2 to 8°C for 5 years if unopened, -20±10°C for 5 years.

Product Preparation

This monoclonal antibody is purified by ion exchange chromatography.

Country of Origin

USA

References

1. Centers for Disease Control and Prevention, National Center for Injury Prevention and Control. [Link](#)