

## 12-8181: Anti-Xylazine-(Clone XYL-4140)

**Clonality :** Monoclonal  
**Clone Name :** XYL-4140  
**Application :** ELISA  
**Isotype :** Mouse IgG1 k

### Description

Specificity: Anti-Xylazine (Clone XYL-4140) has the following specificity: Xylazine - 100%, 3-Hydroxy Xylazine - 150%, 4-Hydroxy Xylazine - 150%, 4-Hydroxy Xylazine-O-Glucuronide - 150%

Background: Xylazine is a potent alpha-2 adrenergic agonist that was initially developed as a veterinary sedative and analgesic medication. Xylazine was not approved for human use and has been increasingly found in samples of illicit drugs like fentanyl. The increase in the detection of xylazine mixed with fentanyl has corresponded with an increase in overdose deaths. In 2023, fentanyl mixed with xylazine was declared an emerging threat by the White House's Office of National Drug Control Policy.

### 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 0.015 M phosphate buffered saline (0.85%), pH 7.2 and contains 0.05% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

**Storage condition :** This purified antibody is stable when stored at 2-8°C. Do not freeze.