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12-8183: Anti-Zolpidem-(Clone ZOL-2314)

Clonality : Monoclonal
Clone Name : ZOL-2314
Isotype : Mouse IgG1 k

Description

Specificity: Anti-Zolpidem (clone ZOL-2314) has the following specificity: Zolpidem Pheny-4-carboxylic Acid - 100%, Zolpidem - 80%, Zolpiclone - 0%
Background: Zolpidem is a widely prescribed medication for the short-term treatment of insomnia. Introduced in the 1990s, zolpidem belongs to the class of sedative-hypnotic drugs known as non-benzodiazepine receptor agonists, specifically acting on the gamma-aminobutyric acid (GABA) type A receptors. By enhancing the inhibitory effects of GABA, zolpidem induces a calming effect on the central nervous system, promoting sleep initiation. While diagnostic testing for zolpidem is not common in routine clinical practice, there is a high potential for overuse and dependence when using this drug. Urine tests may be employed in cases of suspected misuse or overdose. The short half-life of zolpidem necessitates timely testing to detect its presence accurately. Clinicians may also consider diagnostic testing in situations where individuals exhibit unusual reactions or experience adverse effects, ensuring proper management of zolpidem use and promoting safe and effective treatment for insomnia.

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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.