**BACKGROUND**

Phencyclidine, a contraction of the chemical name phenylcyclohexylpiperidine, also abbreviated PCP, is a dissociative drug that was previously used as an anesthetic agent, exhibiting hallucinogenic and neurotoxic effects. It functions mainly as an agonist to the N-methyl-D-Aspartate (NMDA) receptor, causing prolonged depolarization of the neuron and effectively blocking the activity of the NMDA receptor. A schedule II drug, Phencyclidine may cause a certain type of brain damage, known as Olney's lesions. Phencyclidine has a molecular weight of 243.387 g/mol, and although the main psychoactive effects of the drug only last hours, total elimination from the body is prolonged, usually extending over weeks.

**REFERENCES**


**SOURCE**

Phencyclidine (6E7) is a mouse monoclonal antibody raised against Phencyclidine conjugated to BSA.

**PRODUCT**

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

Phencyclidine (6E7) is recommended for detection of Phencyclidine by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.