APPLICATIONS
Cloxacillin (3H318) is recommended for detection of Cloxicillin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000); may cross-react weakly with Penicillin and Ampicillin.

RECOMMENDED SECONDARY REAGENTS
To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

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

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

BACKGROUND
Cloxacillin is a semisynthetic antibiotic in the Penicillin family of drugs and is a chlorinated derivative of Oxacillin. Cloxacillin has a molecular weight of 435.882 g/mol, and it has a weaker antibacterial activity than benzylpencillin. Cloxacillin is devoid of any serious toxicity except for allergic reactions. Cloxacillin is mainly used to fight mild to moderate infections caused by *staphylococci, streptococci or pneumococci* that produce β-lactamase. Symptoms of an Cloxacillin overdose include muscle spasms or weakness, pain or twitching, pain in the fingers or toes, loss of feeling in the fingers or toes, seizures, confusion, agitation and coma.

REFERENCES

SOURCE
Cloxacillin (3H318) is a mouse monoclonal antibody raised against Cloxacillin.

PRODUCT
Each vial contains 100 µg IgG2a in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

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