



Anti-Penicillin chimeric monoclonal antibody, clone DH3 (CABT-L2441)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

It is a Mouse/Human chimeric monoclonal antibody produced in transgenic mice by replacing the mouse sequence of the heavy chain constant region (IgM, IgG or IgA loci) by the corresponding human sequence. After immunization with the antigen of interest, generated antibody clones are cultivated by standard hybridoma techniques. They consist of the human constant region of the heavy chain, mouse variable region of the heavy chain and mouse light chain. The human constant region of the heavy chain can be directly recognized by the anti-human conjugate, which is used in numerous in vitro diagnostic assays.

Specificity

This antibody directed against 6-aminopenicillanic acid.

Target

Penicillin

Isotype

IgE

Source/Host

Mouse

Species Reactivity

N/A

Clone

DH3

Purification

Unpurified

Conjugate

Unconjugated

Applications

ELISA

Format

Liquid

Buffer

Supplied in IMDM, 10% fetal bovine serum (FBS), 1% penicillin – streptomycin, 1% sodium pyruvate, 1% non essential aminoacids, 50 μ M β mercaptoethanol

Preservative	0.09% Sodium Azide
Storage	2–8 °C
Ship	Wet ice

BACKGROUND

Introduction Penicillin is a group of Beta-lactam antibiotics used in the treatment of bacterial infections caused by susceptible, usually Gram-positive, organisms. β -lactam antibiotics work by inhibiting the formation of peptidoglycan cross-links in the bacterial cell wall, which results in cytolysis.

Keywords Ampicillin;Benzylpenicillin;PCN;Penicilin;Penicillin G;Phenoxyethylpenicillin

GENE INFORMATION

Synonyms Ampicillin; Benzylpenicillin; PCN; Penicilin; Penicillin G; Phenoxyethylpenicillin
