

Datasheet for ABIN5693492 **anti-LACTB antibody**

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Overview

Quantity:	500 µg
Target:	LACTB
Reactivity:	E. coli
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LACTB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	5'-His-tagged E. coli 205 TEM-1 R+ beta-lactamase, accession no. P62593
Clone:	8A5-A10
Isotype:	IgG1
Specificity:	Reacts with Escherichia coli Beta-Lactamase.
Purification:	Purified

Target Details

Target:	LACTB
Alternative Name:	beta-Lactamase (LACTB Products)
Background:	The beta-lactam antibiotics (penicillins and cephalosporins) are the most frequently used antimicrobial agents. All of the beta-lactams are structurally related through the presence of a

Target Details

core beta-lactam ring. Bacterial resistance to beta-lactams continues to increase, primarily due to microbial production of beta-lactamases. Beta-lactamases catalyze the hydrolysis of the beta-lactam bond which destroys anti-bacterial activity. Bacteria the produce TEM- or SHV-type beta-lactamases have point mutations in structural genes that have extended the substrate specificity of these betalactamases. As a result, many of the beta-lactamase-producing Gram-negative bacteria have become multi-drug resistant.

Beta-lactamase TEM IRT-4 Penicillinase TEM-1, TEM-16/CAZ-7, TEM-2, TEM-24/CAZ-6, TEM-3, TEM-4, TEM-5, TEM-6, TEM-8/CAZ-2 Gene name: bla, blaT-3, blaT-4, blaT-5, blaT-6

Gene ID: 2716540

UniProt: [P62593](#)

Application Details

Application Notes: Working dilution: Optimal dilution should be determined by the end user.
The following are guidelines only:
WB10 µg/mL ELISA10 - 20 µg/mL

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, pH 7.4

Handling Advice: Dilute in PBS or medium which is identical to that used in the assay system.

Storage: -20 °C

Storage Comment: Stable for at least one year at -20°C. Avoid multiple freeze-thaw cycles.

Expiry Date: 12 months