

Datasheet for ABIN2962025 **anti-LACTB antibody**



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Overview

Quantity:	1 mg
Target:	LACTB
Reactivity:	Enterobacter cloacae
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LACTB antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Type IV beta lactamase from Enterobacter cloacae, accession no. P05364.
Clone:	3E11-G3
Isotype:	IgG3
Specificity:	Reacts with Type IV betalactamase of Enterobacter cloacae.
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 from Enterobacter cloacae is a serine beta-lactamase with substrate specificity for cephalosporins.

Beta-lactamase Cephalosporinase Gene nam: ampC E. cloacae

UniProt: [P05364](#)

Application Details

Application Notes: Working dilution: Optimal dilution should be determined by the end user.
The following are guidelines only:
ELISA10 - 20 µg/mL (optimized for beta-lactamase on solid phase at 10 µg/mL).

Restrictions: For Research Use only

Handling

Buffer: PBS, pH 7.4

Handling Advice: Dilute in PBS or medium that 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