

**ARG54473**  
**anti-beta Lactamase antibody [3E11.G3]**

Package: 200 µg

Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [3E11.G3] recognizes beta Lactamase
Tested Reactivity	Bacteria
Tested Application	ELISA
Specificity	This antibody recognizes Type IV betalactamase of Enterobacter cloacae.
Host	Mouse
Clonality	Monoclonal
Clone	3E11.G3
Isotype	IgG3
Target Name	beta Lactamase
Species	Bacteria
Immunogen	Type IV beta lactamase from Enterobacter cloacae, accession no. P05364. Molecular wt. ~41kDa. Sequence: MMRKSLCCAL LLGISCSALA TPVSEKQLAE VVANTITPLM KAQSVPGMAV AVIYQGKPHY YTFGKADIAA NKPVTPQTLF ELGSISKTFT GVLGGDAIAR GEISLDDAVT RYWPQLTGKQ WQGIRMLDLA TYTAGGLPLQ VPDEVTDNAS LLRFYQNWQP QWKPGTTRLY ANASIGLFGA LAVKPSGMPY EQAMTTRVLK PLKLDHTWIN VPKAEEAHYA WGYRDGKAVR VSPGMLDAQA YGVKTNVQDM ANWVMANMAP ENVADASKQ GIALAQSRW RIGSMYQGLG WEMLNWPVEA NTVVEGSDSK VALAPLPVAE VNPPAPPVKA SWVHKTGSTG GFGSYVAFIP EKQIGIVMLA NTSYPNPARV EAAYHILEAL Q
Conjugation	Un-conjugated
Alternate Names	G24; EC 3.4.-.-; MRPL56; Serine beta-lactamase-like protein LACTB, mitochondrial

### Application Instructions

Application Note	ELISA: use at 10 - 20 ug/ml (optimized for beta - lactamase on solid phase at 10 ug/ml). These are recommended concentrations. Enduser should determine optimal concentrations for their application * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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### Properties

Form	Liquid
Purification	Protein G-purified
Buffer	PBS (pH 7.4)
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	LACTB
Gene Full Name	lactamase, beta
Background	This gene encodes a mitochondrially-localized protein that has sequence similarity to prokaryotic beta-lactamases. Many of the residues responsible for beta-lactamase activity are not conserved in this protein, suggesting it may have a different enzymatic function. Increased expression of the related mouse gene was found to be associated with obesity. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Dec 2013]
Research Area	Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody