

## Product datasheet

# Anti-Beta Lactamase antibody [8A5.A10] ab12251

### 16 References

#### 概述

<b>产品名称</b>	Anti-Beta Lactamase抗体[8A5.A10]
<b>描述</b>	小鼠单克隆抗体[8A5.A10] to Beta Lactamase
<b>宿主</b>	Mouse
<b>特异性</b>	This antibody specifically recognizes TEM type beta lactamases.
<b>经测试应用</b>	<b>适用于:</b> ELISA, WB
<b>种属反应性</b>	<b>与反应:</b> Escherichia coli
<b>免疫原</b>	Recombinant full length protein corresponding to Beta Lactamase. Sequence:  MSIQHFRVAL IPFFAAFCLP VFAHPETLVK VKDAEDQLGA RVGYIELDLN SGKILESFRP EERFPMMSTF KVLCCGAVLS RVDAGQEQLG RRIHYSQNDL VEYSPVTEKH LTDGMTVREL CSAAITMSDN TAANLLTTI GGPKELTAFL HNMGDHVTRL DRWEPELNEA IPNDERDTTM PAAMATTLRK LLTGELLTLA SRQLIDWME ADKVAGPLLR SALPAGWFIA DKSGAGERGS RGIIAALGPD GKPSRIVVIY TTGSQATMDE RNRQIAEIGA SLIKHW

[Run BLAST with](#)

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#### 常规说明

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

Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>存储溶液</b>	Preservative: None Constituents: PBS, pH 7.4
<b>纯度</b>	Protein G purified
<b>克隆</b>	单克隆

克隆编号 8A5.A10

同种型 IgG1

## 应用

Our [Abpromise guarantee](#) covers the use of **ab12251** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		Use a concentration of 10 - 20 µg/ml.
WB		Use a concentration of 10 µg/ml. Predicted molecular weight: 31.5 kDa. (31.5kDa is the molecular weight of the unprocessed precursor.)

## 靶标

**相关性**

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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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