

## Datasheet: MCA5792

<b>Description:</b>	MOUSE ANTI STAPHYLOCOCCUS AUREUS ATCC 29740
<b>Specificity:</b>	STAPHYLOCOCCUS AUREUS ATCC 29740
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	Staph11-232.3
<b>Isotype:</b>	IgG3
<b>Quantity:</b>	0.2 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1/1000 - 1/5000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG3 prepared by PEG precipitation from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	UV-inactivated <i>Staphylococcus aureus</i> cells (ATCC 29740).
<b>RRID</b>	AB_10851757
<b>Specificity</b>	<b>Mouse anti <i>Staphylococcus aureus</i> ATCC 29740 antibody, clone Staph11-232.3</b>

recognizes the peptidoglycan of *S. aureus*, protein A-negative *S. aureus* and *S. epidermidis*.

Mouse anti *Staphylococcus aureus* ATCC 29740 antibody, clone Staph11-232.3 does not cross-react with *Streptococcus sp.*, *Mycoplasma sp.* or *Corynebacteria sp.*, however it has not been cross-adsorbed and may react with peptidoglycans from other related species.

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**References**

1. Chen, Y. *et al.* (2011) Peptide mimics of peptidoglycan are vaccine candidates and protect mice from infection with *Staphylococcus aureus*. [J Med Microbiol. 60: 995-1002.](#)
2. Wang, X.Y. *et al.* (2015) A Multiple Antigenic Peptide Mimicking Peptidoglycan Induced T Cell Responses to Protect Mice from Systemic Infection with *Staphylococcus aureus*. [PLoS One. 10 \(8\): e0136888.](#)

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**Further Reading**

1. Su, F.Y. *et al.* (2007) Simple and sensitive bacterial quantification by a flow-based kinetic exclusion fluorescence immunoassay. [Biosens Bioelectron. 22: 2500-7.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted.  
Avoid repeated freezing and thawing as this may denature the antibody.  
Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Human Anti Mouse IgG3 (HCA039...) [FITC](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@680](#),  
[DyLight@800](#), [FITC](#), [HRP](#)

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'M368410:200529'

**Printed on 22 Mar 2021**