### Datasheet: MCA2848

<table>
<thead>
<tr>
<th>Description</th>
<th>MOUSE ANTI STAPHYLOCOCCUS AUREUS ENTEROTOXIN A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td>STAPHYLOCOCCUS AUREUS ENTEROTOXIN A</td>
</tr>
<tr>
<td>Format</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone</td>
<td>C4</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

#### Product Details

**RRID**  
AB_1102862

**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).

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 appropriate negative/positive controls.

#### Target Species
Bacterial

#### Product Form
Purified IgG - liquid

#### Preparation
Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

#### Buffer Solution
Phosphate buffered saline

#### Preservative Stabilisers
0.09% Sodium Azide (NaN₃)

#### Approx. Protein Concentrations
IgG concentration 1.0mg/ml

#### Immunogen
*Staphylococcus aureus* enterotoxin type A.

#### External Database
UniProt:
Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells of the Sp2/0 myeloma cell line.

Specificity
Mouse anti Staphylococcus aureus Enterotoxin A antibody, clone C4 recognizes
Staphylococcus aureus enterotoxin type A. Staphylococcus aureus produces several different types
of enterotoxins (SE’s). The SE’s are short, soluble proteins that are highly stable and resistant to
most proteolytic enzymes. They belong to a family of pyrogenic toxins and as such cause an
increase in body temperature, immunosuppression and non-specific T-cell proliferation. These
activities are referred to as superantigen activity and results from the interaction of SE’s with T-cell
antigen receptors and the major histocompatibility complex (MHC) on antigen presenting cells. In
addition to their superantigen activity, SE’s are also emetics (they cause vomiting). The SE’s are
important in food poisoning. Enterotoxin A is one of the SE’s most commonly identified in clinical
isolates.

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.

Guarantee
18 months from date of despatch.

Health And Safety
Information
Material Safety Datasheet documentation #10040 available at:

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)

Goat Anti Mouse IgG (STAR77...)

Rabbit Anti Mouse IgG (STAR12...)

Rabbit Anti Mouse IgG (STAR8...)

Rabbit Anti Mouse IgG (STAR13...)

Goat Anti Mouse IgG (STAR76...)

Goat Anti Mouse IgG (STAR70...)

Goat Anti Mouse IgG (Fc) (STAR120...)

Rabbit Anti Mouse IgG (STAR9...)

Goat Anti Mouse IgG (H/L) (STAR117...)

Alk. Phos., HRP

HRP

RPE

DyLight®800

HRP

RPE

FITC, HRP

FITC

Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP