Datasheet: MCA1539F

Product Details

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN CD95:FITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD95</td>
</tr>
<tr>
<td>Other names:</td>
<td>FAS</td>
</tr>
<tr>
<td>Format:</td>
<td>FITC</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>LOB 3/17</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

RRID: AB_321976

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>Application</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>Neat</td>
</tr>
</tbody>
</table>

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species: Human

Species Cross Reactivity: Reacts with: Rhesus Monkey

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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</thead>
<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</tbody>
</table>

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

<table>
<thead>
<tr>
<th>Stabilisers</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide</td>
<td>0.09%</td>
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<tr>
<td>Bovine Serum Albumin</td>
<td>1%</td>
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</tbody>
</table>

Approx. Protein Concentrations

IgG concentration 0.1 mg/ml

Immunogen

Fusion protein comprising extracellular domain of human Fas linked to human Fc.
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSI myeloma cell line.

Specificity

Mouse anti Human CD95 antibody, clone LOB 3/17 recognizes the human CD95 cell surface antigen, also known as Tumor necrosis factor receptor superfamily member 6, Fas, Apo-1 antigen, Apoptosis-mediating surface antigen FAS or FASLG receptor. CD95 is a 310 amino acid ~40-50 kDa single pass type I transmembrane glycoprotein expressed by activated T and B cells, NK cells and thymocytes. Mutations in the CD95 gene, FAS can lead to the development of Autoimmune lymphoproliferative syndrome 1A (ALPS1A), an apoptotic disorder with early onset resulting in an accumulation of autoreactive lymphocytes (Peters et al. 1999).

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References

### Further Reading

### Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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

### Regulatory
For research purposes only

### Related Products
**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

**Recommended Useful Reagents**

- HUMAN SEROBLOCK (BUF070A)
- HUMAN SEROBLOCK (BUF070B)

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