Datasheet: MCA2213F

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI SHEEP CD4:FITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD4</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>44.38</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**Product Details**

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.abdserotec.com/protocols](http://www.abdserotec.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>Neat</td>
<td>1/10</td>
<td></td>
<td></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**

Sheep

**Species Cross Reactivity**

Reacts with: Goat

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

**Product Form**

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

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

- 0.09% Sodium Azide
- 1% Bovine Serum Albumin

**Approx. Protein Concentrations**

IgG concentration 0.1 mg/ml

**Immunogen**

Fetal thymocytes

**External Database Links**

UniProt: [P05542](http://www.uniprot.org/uniprot/P05542)  Related reagents

**Fusion Partners**

Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3-NS1/1-Ag-4-1 myeloma cell line.
**Specificity**

Mouse anti Sheep CD4 antibody, clone 44.38 recognizes the ovine CD4 cell surface glycoprotein, which is expressed by a subset of mature T lymphocytes. Mouse anti Sheep CD4 antibody, clone 44.38 immunoprecipitates a protein of ~56 kDa under reducing conditions.

**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.

<table>
<thead>
<tr>
<th>Shelf Life</th>
<th>18 months from date of despatch.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health And Safety</td>
<td>Material Safety Datasheet</td>
</tr>
<tr>
<td>Information</td>
<td>Documentation #10041 available at:</td>
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<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
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</table>

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:FITC (MCA929F)

'150130'