Datasheet: MCA1416A700

Product Details

**Description:** MOUSE ANTI HUMAN CD103:Alexa Fluor® 700

**Specificity:** CD103

**Format:** ALEXA FLUOR® 700

**Product Type:** Monoclonal Antibody

**Clone:** LF61

**Isotype:** IgG1

**Quantity:** 100 TESTS/1ml

### 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>No</td>
<td>Not Determined</td>
<td>Neat - 1/10</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**

Human

**Product Form**

Purified IgG conjugated to Alexa Fluor 700 - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Fluor®700</td>
<td>702</td>
<td>723</td>
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</table>

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A

**Buffer Solution**

Phosphate buffered saline

**Preservative**

0.09% Sodium Azide (NaN₃)

1% Bovine Serum Albumin

**Stabilisers**

IgG concentration 0.05 mg/ml

**External Database Links**

UniProt: P38570

Related reagents

Entrez Gene:

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Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS0 myeloma cell line.

**Specificity**

Mouse anti Human CD103 antibody, clone LF61 recognizes the human CD103 cell surface antigen, a glycoprotein expressed by approximately 1% of peripheral blood lymphocytes, activated T lymphocytes and by hairy cell leukemia cells. The antigen is also expressed by intraepithelial lymphocytes. It has recently been shown to be identical to the alpha E integrin.

**Flow Cytometry**

Use 5ul of the suggested working dilution to label $10^6$ cells in 100ul.

**References**


**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. 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**

12 months from date of despatch.

**Acknowledgements**

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at:

**Regulatory**

For research purposes only.

**Related Products**

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL-Alexa Fluor® 700 (MCA928A700)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)