### Product Details

**Description:** MOUSE ANTI HUMAN CD103:FITC  
**Specificity:** CD103  
**Format:** FITC  
**Product Type:** Monoclonal Antibody  
**Clone:** LF61  
**Isotype:** IgG1  
**Quantity:** 0.1 mg  

**RRID**  
AB_321982

**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>
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<tr>
<th>Suggested Dilution</th>
<th>Neat - 1/10</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td>Yes</td>
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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

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

**Max Ex/Em**  
<table>
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<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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**Preparation**  
Purified IgG prepared by affinity chromatography on Protein A

**Buffer Solution**  
Phosphate buffered saline

**Preservative Stabilisers**  
0.09% Sodium Azide  
0.5% Bovine Serum Albumin

**Approx. Protein Concentrations**  
IgG concentration 0.1 mg/ml

**Immunogen**  
Hairy cell leukemia cells

**External Database Links**  
UniProt: [P38570](http://www.uniprot.org/uniprot/P38570)  
Related reagents
**Fusion Partners**
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 5µl of the suggested working dilution to label $10^6$ cells in 100µl.

**References**

**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**

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

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)