## Description
MOUSE ANTI HUMAN CD103:RPE

## Specificity
CD103

## Format
RPE

## Product Type
Monoclonal Antibody

## Clone
LF61

## Isotype
IgG1

## Quantity
100 TESTS

### RRID
AB_321983

### 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>Neat</td>
<td></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
Human

## Product Form
Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

## Reconstitution
Reconstitute with 1 ml distilled water

## Max Ex/Em
<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
</tr>
</tbody>
</table>

## Preparation
Purified IgG prepared by affinity chromatography on Protein A

## Buffer Solution
Phosphate buffered saline

## Preservative Stabilisers
- 0.09% Sodium Azide
- 1% Bovine Serum Albumin
- 5% Sucrose

## Immunogen
Hairy cell leukemia cells

## External Database Links
### UniProt:
- [P38570](http://www.uniprot.org/uniprot/P38570)

- Related reagents
Entrez Gene: 3682  ITGAE  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 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References

Storage
Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee
12 months from date of reconstitution.

Health And Safety Information

Regulatory
For research purposes only

Related Products

Recommended Negative Controls
MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

Recommended Useful Reagents
HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)