Description: MOUSE ANTI HUMAN CD105:RPE
Specificity: CD105
Other names: ENDOGLIN
Format: RPE
Product Type: Monoclonal Antibody
Clone: SN6
Isotype: IgG1
Quantity: 100 TESTS

Product Details
RRID: AB_321990

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.

<table>
<thead>
<tr>
<th>Method</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: Horse, Cynomolgus monkey, Rhesus Monkey
Based on sequence similarity, is expected to react with: Primate
N.B. Antibody reactivity and working conditions may vary between species.

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

Reconstitution
Reconstitute with 1ml distilled water

Max Ex/Em
Fluorophore | Excitation Max (nm) | Emission Max (nm) |
-------------|---------------------|-------------------|
RPE 488nm laser | 496 | 578 |

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

Buffer Solution
Phosphate buffered saline

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

Partially purified cell membrane antigens from fresh leukemia cells

### External Database Links

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>P17813</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Entrez Gene:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022 ENG</td>
<td></td>
</tr>
</tbody>
</table>

### Synonyms

END

### Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3/NS1/1-Ag4-1 myeloma cell line

### Specificity

**Mouse anti Human CD105 antibody, clone SN6** recognizes the human endoglin, also known as CD105. CD105 is a glycoprotein homodimer of ~95 kDa subunits expressed by endothelial cells, activated monocytes and some leukemia cells.

### Flow Cytometry

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

### References

15. Tso, C. *et al.* (2012) Phenotypic and functional changes in blood monocytes following...

Further Reading

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.

<table>
<thead>
<tr>
<th>Guarantee</th>
<th>12 months from date of reconstitution.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health And Safety</td>
<td>Material Safety Datasheet documentation #10075 available at:</td>
</tr>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
</tbody>
</table>

**Related Products**

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

**Recommended Useful Reagents**

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

© 2019 Bio-Rad Laboratories Inc  |  [Legal](#)  |  [Imprint](#)