Datasheet: MCA1557P647

Product Details

**Description:** MOUSE ANTI HUMAN CD105:RPE-Alexa Fluor® 647

**Specificity:** CD105

**Other names:** ENDOGLIN

**Format:** RPE-ALEXA FLUOR® 647

**Product Type:** Monoclonal Antibody

**Clone:** SN6

**Isotype:** IgG1

**Quantity:** 100 TESTS

**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>Flow Cytometry</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neat</td>
<td></td>
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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

**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 RPE-Alexa Fluor 647 - lyophilized

**Reconstitution**

Reconstitute with 1.0 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>RPE-Alexa Fluor®647</td>
<td>496</td>
<td>667</td>
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<tr>
<td>488nm laser</td>
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<td>RPE-Alexa Fluor®647</td>
<td>546</td>
<td>667</td>
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<tr>
<td>561nm laser</td>
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**Preparation**

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

**Buffer Solution**

Phosphate buffered saline

**Preservative**

0.09% Sodium Azide (NaN₃)
Stabilisers
1% Bovine Serum Albumin
5% Sucrose

Immunogen
Partially purified cell membrane antigens from fresh leukemia cells

External Database Links
UniProt: P17813 Related reagents
Entrez Gene: 2022 ENG Related reagents

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

**Further Reading**


**Storage**

Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of reconstitution

Acknowledgements

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Health And Safety


Regulatory

For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE-Alexa Fluor® 647 (MCA928P647)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)