

## Datasheet: MCA1557A647

<b>Description:</b>	MOUSE ANTI HUMAN CD105:Alexa Fluor® 647
<b>Specificity:</b>	CD105
<b>Other names:</b>	ENDOGLIN
<b>Format:</b>	ALEXA FLUOR® 647
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	SN6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/1ml

## Product Details

### 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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

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.

<b>Target Species</b>	Human								
<b>Species Cross Reactivity</b>	Reacts with: Horse, Cynomolgus monkey, Rhesus Monkey Based on sequence similarity, is expected to react with: Primate <b>N.B.</b> Antibody reactivity and working conditions may vary between species.								
<b>Product Form</b>	Purified IgG conjugated to Alexa Fluor® 647- liquid								
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>Alexa Fluor®647</td> <td>650</td> <td>665</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	Alexa Fluor®647	650	665		
Fluorophore	Excitation Max (nm)	Emission Max (nm)							
Alexa Fluor®647	650	665							
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant								
<b>Buffer Solution</b>	Phosphate buffered saline								
<b>Preservative</b>	0.09% Sodium Azide								
<b>Stabilisers</b>	1% Bovine Serum Albumin								
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05 mg/ml								
<b>Immunogen</b>	Partially purified cell membrane antigens from fresh leukemia cells								

**External Database  
Links**

**UniProt:**

[P17813](#)   [Related reagents](#)

**Entrez Gene:**

[2022](#)   ENG   [Related reagents](#)

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**Synonyms**

END

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**Fusion Partners**

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

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**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.

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**Flow Cytometry**

Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

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<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Burk, J. <i>et al.</i> (2013) Equine cellular therapy--from stall to bench to bedside? <a href="#">Cytometry A 83 (1): 103-13.</a></li> <li>2. Carrade, D.D. <i>et al.</i> (2012) Comparative Analysis of the Immunomodulatory Properties of Equine Adult-Derived Mesenchymal Stem Cells. <a href="#">Cell Med. 4: 1-11.</a></li> </ol>
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<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Acknowledgements</b>	This product is provided under an intellectual property licence from Life Technologies Corporation.
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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at:  
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

**North & South** Tel: +1 800 265 7376

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