Datasheet: MCA1557A488

Description: MOUSE ANTI HUMAN CD105: Alexa Fluor® 488

Specificity: CD105

Other names: ENDOGLIN

Format: ALEXA FLUOR® 488

Product Type: Monoclonal Antibody

Clone: SN6

Isotype: IgG1

Quantity: 100 TESTS/1ml

RRID: AB_321986

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>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></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 Alexa Fluor® 488 - liquid

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Fluor®488</td>
<td>495</td>
<td>519</td>
</tr>
</tbody>
</table>

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

Approx. Protein Concentrations

IgG concentration 0.05 mg/ml
Immunogen

Partially purified cell membrane antigens from fresh leukemia cells

External Database Links

UniProt: P17813

Entrez Gene: 2022 ENG

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
adherence to endothelium. PLoS One 7: e37091
16. Hu, N. et al. (2013) Long-term outcome of the repair of 50 mm long median nerve defects in rhesus monkeys with narrow mesenchymal stem cells-containing, chitosan-based tissue engineered nerve grafts. Biomaterials 34: 100-11

Further Reading


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.

** Acknowledgements **
This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com

** Health And Safety Information **

** Regulatory **
For research purposes only

** Related Products **

** Recommended Negative Controls **

** Recommended Useful Reagents **

** Printed on 20 May 2019 **