Datasheet: MCA1227A647T

Description: MOUSE ANTI HUMAN CD42a:Alexa Fluor® 647

Specificity: CD42a

Other names: GPIX

Format: ALEXA FLUOR® 647

Product Type: Monoclonal Antibody

Clone: GRP-P

Isotype: IgG1

Quantity: 25 TESTS/0.25ml

Product Details

RRID: AB_2263687

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>Applications</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 - 1/5</td>
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</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: Mink, Dog

N.B. Antibody reactivity and working conditions may vary between species.

Product Form: Purified IgG conjugated to Alexa Fluor® 647 - liquid

Max Ex/Em

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>Alexa Fluor®647</td>
<td>650</td>
<td>665</td>
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</tbody>
</table>

Preparation: Purified IgG prepared by ion exchange chromatography

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: Human red blood cells and platelets.
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity

Mouse anti Human CD42a antibody, clone GRP-P recognizes the platelet GPIIX glycoprotein, a 23kDa surface marker expressed by platelets and megakaryocytes. Platelet GPIIX is also known as CD42a.

The CD42 complex is the major platelet receptor for von Willebrand factor.

Flow Cytometry

Use 10ul of the suggested working dilution to label $10^6$ cells or 100ul whole blood

References


Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. 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.

**Shelf Life**
18 months from date of despatch

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**Health And Safety Information**

**Regulatory**
For research purposes only

**Related Products**

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL: Alexa Fluor® 647 (MCA928A647)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)