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: 100 TESTS/1ml

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>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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Flow Cytometry

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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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.

**Guarantee**  
18 months from date of despatch

**Acknowledgements**  
The Alexa Fluor® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays, and are covered by pending and issued patents.

**Health And Safety Information**  
Material Safety Datasheet documentation #10041 available at:  

**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)