## Datasheet: MCA1227PE

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN CD42a:RPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD42a</td>
</tr>
<tr>
<td>Other names:</td>
<td>GPIX</td>
</tr>
<tr>
<td>Format:</td>
<td>RPE</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>GRP-P</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>100 TESTS</td>
</tr>
</tbody>
</table>

### Product Details

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_321699</th>
</tr>
</thead>
</table>

#### 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></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: Mink, Dog

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

#### Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

#### Reconstitution

Reconstitute with 1 ml distilled water

#### Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
</tr>
</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
- 5% Sucrose
Immunogen

Human red blood cells and platelets.

External Database Links

UniProt: P14770 Related reagents

Entrez Gene: 2815 GP9 Related reagents

Fusion Partners

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 GPIX glycoprotein, a 23kDa surface marker expressed by platelets and megakaryocytes. Platelet GPIX 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

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected
from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**
12 months from date of reconstitution.

**Health And Safety Information**

**Regulatory**
For research purposes only

### Related Products

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

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