Datasheet: MCA740PE

**Description:** MOUSE ANTI HUMAN CD42b:RPE

**Specificity:** CD42b

**Other names:** GPIB-ALPHA

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** AK2

**Isotype:** IgG1

**Quantity:** 100 TESTS

**RRID** AB_324702

**Applications**

- **Flow Cytometry**
  - Neat

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>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>Neat</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. The suggested working dilution is given as a guide only. It is recommended that the user titrates the antibody for use in his/her own system using appropriate negative/positive controls.

**Target Species**

- Human

**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>
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<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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**Preparation**

- Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution**

- Phosphate buffered saline

**Preservative Stabilisers**

- 0.09% Sodium Azide
- 1% Bovine Serum Albumin
- 5% Sucrose

**External Database Links**

- UniProt: P07359
- Related reagents
**Entrez Gene:**
2811   GP1BA   Related reagents

**Specificity**
Mouse anti Human CD42b antibody, clone AK2 recognizes the human CD42b cell surface antigen, also known as platelet glycoprotein GP1B.

CD42b is expressed by platelets and megakaryocytes. Clone AK2 has been reported to block the binding of von Willebrand Factor (VWF) to platelets.

**Flow Cytometry**
Use 10ul of the suggested working dilution to label 100ul whole blood.

**References**
18. Ralph, A. et al. (2016) Computational Tracking of Shear-Mediated Platelet Interactions with von


### 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.

### Guarantee

12 months from date of reconstitution.

### Health And Safety


### 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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