

Product datasheet

PE Anti-CD42 $\alpha$ /GP-IX antibody [GR-P]  $\alpha$ b30399

1 References 1 Image

Overview

<b>Product name</b>	PE Anti-CD42 $\alpha$ /GP-IX antibody [GR-P]
<b>Description</b>	PE Mouse monoclonal [GR-P] to CD42 $\alpha$ /GP-IX
<b>Host species</b>	Mouse
<b>Conjugation</b>	PE. Ex: 488nm, Em: 575nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human CD42 $\alpha$ /GP-IX. Human red blood cells and platelets.
<b>Positive control</b>	Human peripheral blood platelets
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
<b>Purification notes</b>	ab30399 was purified by ion exchange chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	GR-P
<b>Myeloma</b>	NS1
<b>Isotype</b>	IgG1

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab30399 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		

### Application notes

Flow Cyt: Use neat, or 10 $\mu$ l for 10<sup>6</sup> cells or 100 $\mu$ l whole blood.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

### Function

The GPIIb-V-IX complex functions as the vWF receptor and mediates vWF-dependent platelet adhesion to blood vessels. The adhesion of platelets to injured vascular surfaces in the arterial circulation is a critical initiating event in hemostasis. GP-IX may provide for membrane insertion and orientation of GP-Ib.

### Involvement in disease

Defects in GP9 are a cause of Bernard-Soulier syndrome (BSS) [MIM:231200]; also known as giant platelet disease (GPD). BSS patients have unusually large platelets and have a clinical bleeding tendency.

### Sequence similarities

Contains 1 LRR (leucine-rich) repeat.

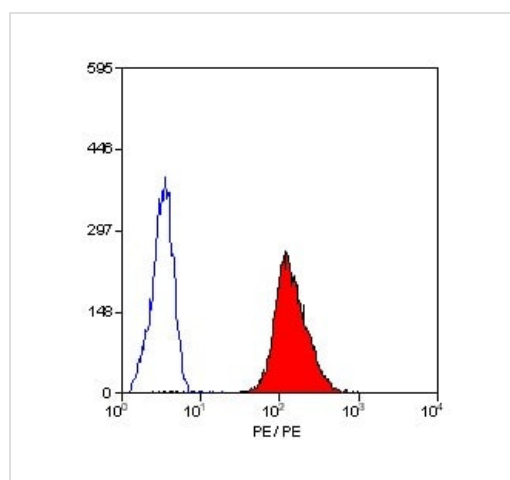
Contains 1 LRRCT domain.

Contains 1 LRRNT domain.

### Cellular localization

Membrane.

## Images



Staining of human peripheral blood platelets with ab30399.

Flow Cytometry - PE Anti-CD42a/GP-IX antibody

[GR-P] (ab30399)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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