abcam

## Product datasheet

# CF405M Anti-CD42a/GP-IX antibody [GR-P] ab119483

1 Image

### Overview

| | |
|---|---|
| **Product name** | CF405M Anti-CD42a/GP-IX antibody [GR-P] |
| **Description** | CF405M Mouse monoclonal [GR-P] to CD42a/GP-IX |
| **Host species** | Mouse |
| **Conjugation** | CF405M. Ex: 408nm, Em: 452nm |
| **Tested applications** | **Suitable for:** Flow Cyt |
| **Species reactivity** | **Reacts with:** Human |
| **Immunogen** | Tissue, cells or virus corresponding to CD42a/GP-IX. Human red blood cells and platelets |
| **Positive control** | Human platelets in normal peripheral blood. |
| **General notes** | CF405M (Abs/Em Max: 408/450nm). Direct replacement for Pacific Blue dye®, BD Horizon™ V450.<br><br>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.<br><br>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&As |

### Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at +4°C. |
| **Storage buffer** | pH: 7.20<br>Preservative: 0.09% Sodium azide<br><br>Buffer containing antibody stabilizer solution. |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Monoclonal |
| **Clone number** | GR-P |
| **Isotype** | IgG2a |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab119483 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** | | Use 5µl for $10^6$ cells.<br>**ab126036** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody. |

## Target

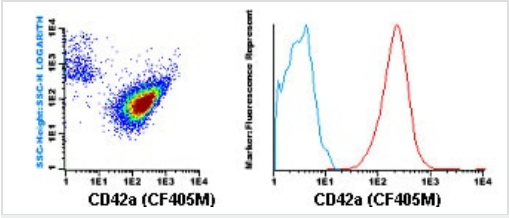
**Function** The GPIb-V-IX complex functions as the vWF receptor and mediates vWF-dependent platelet adhesion to blood vessels. The adhesion of platelets to injured vascular surfaces in the arterial circulation is a critical initiating event in hemostasis. GP-IX may provide for membrane insertion and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




Flow Cytometry - CF405M Anti-CD42a/GP-IX antibody [GR-P] (ab119483)

ab119483, at 5 µl/$10^6$ cells, staining CD42a/GP-IX in Human platelets from normal Human peripheral blood cells by Flow Cytometry. Total events were used for the analysis.



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