

Product datasheet

Anti-CD42 α /GP-IX antibody [GR-P] (PE) ab30399

1 References 1 Image

Overview

Product name	Anti-CD42a/GP-IX antibody [GR-P] (PE)
Description	Mouse monoclonal [GR-P] to CD42a/GP-IX (PE)
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD42a/GP-IX.
Positive control	Human peripheral blood platelets
General notes	Previously labelled as CD42a.

Properties

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

Applications

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
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Flow Cyt

Application notes

Flow Cyt: Use neat, or 10µl for 10⁶ cells or 100µl whole blood.

Not yet tested in other applications.

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

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.

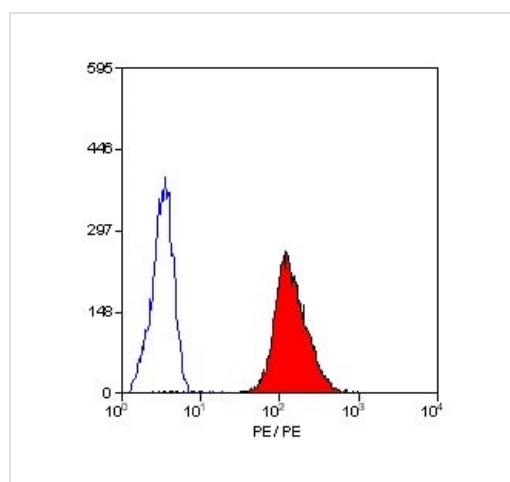
Contains 1 LRRCT domain.

Contains 1 LRRNT domain.

Cellular localization

Membrane.

Images



Staining of human peripheral blood platelets with ab30399.

Flow Cytometry - Anti-CD42a/GP-IX antibody [GR-P]
(Phycoerythrin) (ab30399)

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