

## ARG21355 anti-CD42b antibody [MM2/174] (PE)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [MM2/174] recognizes CD42b
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	Human CD42b.
Host	Mouse
Clonality	Monoclonal
Clone	MM2/174
Isotype	IgG1, kappa
Target Name	CD42b
Species	Human
Immunogen	Human plasma membrane
Conjugation	PE
Alternate Names	CD antigen CD42b; Antigen CD42b-alpha; DBPLT3; VWDP; CD42B; GP-Ib alpha; Glycoprotein Ibalpha; BDPLT1; BSS; CD42b-alpha; GPIbA; GPIb-alpha; Platelet glycoprotein Ib alpha chain; BDPLT3; GP1B

### Application Instructions

Application table	Application	Dilution
	FACS	10 µl/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

Note

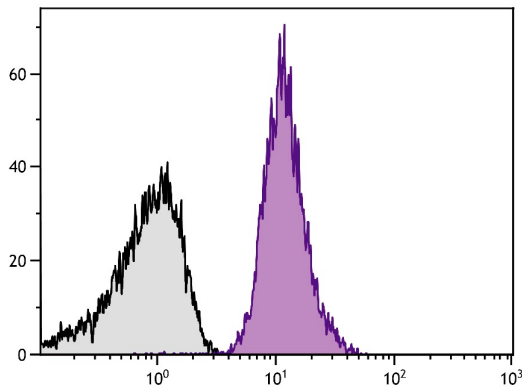
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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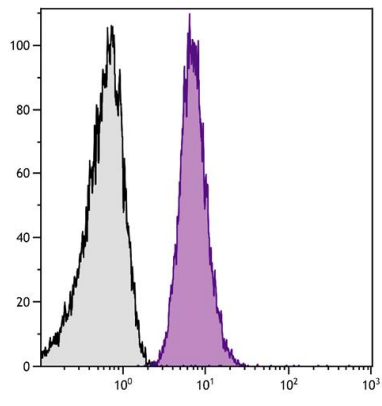
Database links	<a href="#">GeneID: 2811 Human</a> <a href="#">Swiss-port # P07359 Human</a>
Gene Symbol	GP1BA
Gene Full Name	glycoprotein Ib (platelet), alpha polypeptide
Background	Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that is linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Mutations in this gene result in Bernard-Soulier syndromes and platelet-type von Willebrand disease. The coding region of this gene is known to contain a polymorphic variable number tandem repeat (VNTR) domain that is associated with susceptibility to nonarteritic anterior ischemic optic neuropathy. [provided by RefSeq, Oct 2013]
Function	GP-Ib, a surface membrane protein of platelets, participates in the formation of platelet plugs by binding to the A1 domain of vWF, which is already bound to the subendothelium. [UniProt]
Calculated Mw	72 kDa
PTM	Glycocalicin, which is approximately coextensive with the extracellular part of the molecule, is cleaved off by calpain during platelet lysis.

## Images



ARG21355 anti-CD42b antibody [MM2/174] (PE) FACS image

Flow Cytometry: Human platelets stained with ARG21355 anti-CD42b antibody [MM2/174] (PE).



ARG21355 anti-CD42b antibody [MM2/174] (PE) FACS image

Flow Cytometry: Human peripheral blood platelets stained with ARG21355 anti-CD42b antibody [MM2/174] (PE).