

## Product datasheet for **TA355363**

### CD42b (GP1BA) Mouse Monoclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Add 100ul of distilled water. Final antibody concentration is 1 mg/ml in PBS buffer. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycoprotein Ib platelet alpha subunit
Database Link:	<a href="#">NP_000164.5</a> <a href="#">Entrez Gene 2811 Human P07359</a>
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.
Synonyms:	BSS; CD42b; CD42b-alpha; GP1B; GPIb-alpha; GPIbA; MGC34595
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ECM-receptor interaction, Hematopoietic cell lineage



[View online »](#)