



Rat Anti-Mouse GP1BA Monoclonal Antibody, clone S411 [Functional Grade] (CABT-Z402R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody preparation contains a mixture of purified rat monoclonal antibodies directed against mouse GP1BA(CD42b). Targeting of this receptor with divalent IgGs results in profound and irreversible Fc-independent platelet depletion in mice.
Immunogen	Mouse GP1BA (CD42b)
Isotype	IgG
Source/Host	Rat
Species Reactivity	Mouse
Clone	S411
Purification	Protein G purified
Conjugate	Functional Grade
Applications	Depletion This preparation is optimized to reduce the platelet count by >95% within 60 minutes after intravenous injection of 2 µg/g bodyweight. It is recommended to inject the antibodies in a volume of 100-200 µl (diluted with sterile PBS).
Format	Liquid
Concentration	Lot specific
Size	500 µg
Buffer	PBS, sterile filtered, endotoxin level < 0.0025 EU/µg.

Preservative	None
Storage	Stable for six months from date of shipment when stored at 4°C. Aliquots can be stored at -20°C for at least one year. Avoid repeated freezing and thawing.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	GP1BA;glycoprotein Ib (platelet), alpha polypeptide;GP1B;platelet glycoprotein Ib alpha chain;CD42b;GP-Ib alpha

GENE INFORMATION

Gene Name	Gp1ba
Entrez Gene ID	14723
UniProt ID	O35930