



Mouse Anti-Human CD42b monoclonal antibody, clone QBC-6 (CABT-L4599)

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

PRODUCT INFORMATION

Specificity	This clone enabled the detection of HPA-2b antibodies, Gplb autoantibodies and quinine dependent Gplb antibodies in the monoclonal antibody immobilization of platelet antigens (MAIPA). PAB5 was unreactive with platelets from a patient with Bernard Soulier syndrome, which lack platelet Gplb, in an indirect immunofluorescence test. Epitope mapping studies indicate that the binding site for this clone lies between amino acids 200 and 268 of CD42b.
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	QBC-6
Purification	Purified, liquid
Conjugate	Unconjugated
Applications	IA
Format	Liquid
Concentration	Lot specific
Size	100 µg
Storage	Store -20°C for long term.
Ship	Wet ice

BACKGROUND

Introduction

The CD42b antigen is part of a complex consisting of four transmembrane components Gplb /Gplb/IX/V, which is collectively designated as CD42. This complex is involved in the initial stages of platelet adhesion at high shear stress to damaged vessel wall via von Willibrand factor (vWF) on the subendothelial matrix. Gplb (CD42b, Mr 143 kDa) and Gplb (CD42c, Mr 22 kDa) are covalently linked by a single disulphide bond and are non-covalently associated with GpIX (CD42a, Mr 20 kDa) and GpV (CD42d, Mr 83 kDa)

Keywords

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