

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Integrin Alpha IIb (CD41), Human, clone Q90		
Catalog number	HM2343		
Lot number	-	Expiry date	-
Volume	0.1 ml	Amount	100 µg
Formulation	0.2 µm filtered in PBS+50%glycerol+0.5%BSA+0.02%NaN3	Concentration	1 mg/ml
Host Species	Mouse IgG1	Conjugate	None
Endotoxin	N.A.	Purification	Affinity
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•	•						•
No								
N.D.			•	•	•	•	•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- W: A reduced sample treatment and SDS-Page was used. The band size is 120 kDa.

General Information

Description	Monoclonal antibody Q90 recognizes human CD41, also called ITGA2B, GPIIb or integrin alpha chain 2b. It is predominantly expressed on platelets and plays a pivotal role in coagulation. CD41 associates with integrin β3 chain (GPIIa or CD61) to form the CD41/CD61 complex. This complex is a receptor for fibrinogen, vWF, fibronectin, vitronectin, thrombospondin, prothrombin and thrombospondin. The integrin receptor is required for platelet adhesion and aggregation. Per platelet there are approximately 60-80 thousand copies of the complex. CD41 has been considered a biomarker for megakaryocytes. Although there is increasing evidence that it also expressed during early hematopoiesis with low expression levels on cells with myeloid and lymphoid potential. Given its central role in haemostasis it has been considered an anti-thrombotic target with alternating success. Mutations in the genes of the CD41/CD61 complex are a cause of Glanzmann thrombasthenia leading to bleeding disorders. Furthermore, there are some associations with tumor metastasis.
Immunogen	Synthetic CD41 peptide
Aliases	ITGA2B; GP2B; ITGAB; Integrin alpha-IIb; GPalpha IIb; GPIIb; Platelet membrane glycoprotein IIb; CD41
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Robbert Zwinkels

Date
16/03/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.