

**Rabbit Anti-CD41/Integrin Alpha 2b [EP178]: RM0043, EM0043RTU7**

**Intended Use:** For Research Use Only

**Description:** CD41, also named GP IIb, is a protein that in human is encoded by the ITGA2B gene. This protein can be associated with GPIIIa to form a heterodimer complex (GPIIb-IIIa) in the presence of Ca<sup>2+</sup>. This complex can bind one of four different adhesive proteins (ie, fibrinogen, fibronectin, von Willebrand factor [Vwf], or vitronectin). CD41 expression has been found on platelets, megakaryocytes, and, more recently, on immature hematopoietic progenitors. CD41 is a reliable marker of early steps of hematopoiesis during ES cell differentiation. CD41 has been used as a marker for megakaryocytic differentiation.

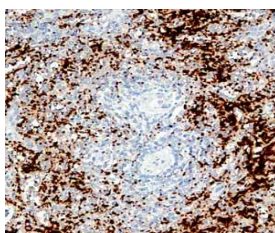
**Specifications:**

Clone: EP178  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human  
 Immunogen: Synthetic peptide corresponding to residues of human CD41/Integrin alpha IIb protein  
 Localization: Membrane, cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN<sub>3</sub>).  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
CD41/Integrin Alpha 2b Concentrated	RM0043	1 ml
CD41/Integrin Alpha 2b Prediluted	RM0043RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Spleen  
 Concentrated Dilution: 50-200  
 Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual  
 \* Result should be confirmed by an established diagnostic procedure.



FFPE human Spleen stained with anti-CD41 using DAB

**References:**

1. Elevated plasma levels of P-selectin glycoprotein ligand-1-positive microvesicles in patients with unprovoked venous thromboembolism. Jamaly S, et al. J Thromb Haemost N/A:N/A, 2018.
2. Extracellular vesicles from activated platelets: a semiquantitative cryo-electron microscopy and immuno-gold labeling study. Brisson AR et al. Platelets. 2017.
3. Platelets in Early Antibody-Mediated Rejection of Renal Transplants. Kuo HH, et al. J Am Soc Nephrol N/A:N/A, 2014.

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