Mouse Anti-CD41/Integrin Alpha 2b [B9]: MC0368, MC0368RTU7

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 Ca2+. 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:	B9
Source:	Mouse
Isotype:	IgG2b/k
Reactivity:	Human, mouse, rat
Immunogen:	An epitope mapping between amino acids 1011-1039 at the C-terminus of human Integrin αIIb
Localization:	Membrane, cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3).
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, IF, IP, WB

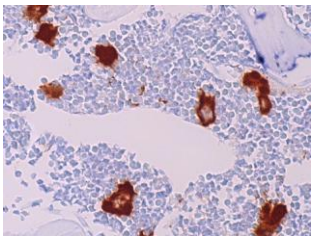
Package:

Description	Catalog No.	Size
CD41/Integrin Alpha 2b Concentrated	MC0368	1 ml
CD41/Integrin Alpha 2b Prediluted	MC0368RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Spleen
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 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 mouse bone marrow stained with anti-CD41 using DAB

References:

1. β-Nitrostyrene derivatives attenuate LPS-mediated acute lung injury via the inhibition of neutrophil-platelet interactions and NET release. Chang, YW, et al. Am. J. Physiol. Lung Cell Mol. Physiol. 314: L654-L669, 2018.
2. Extracellular vesicles from activated platelets: a semiquantitative cryo-electron microscopy and immuno-gold labeling study. Brisson AR, et al. Platelets. May;28(3):263-271, 2017.
3. CD41 and CD45 expression marks the angioformative initiation of neovascularisation in human haemangioblastoma. Ma D, et al. Tumour Biol. Mar;37(3):3765-74, 2016.

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