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DATA SHEET

Mouse Anti-CD42b [13G2]: MC0155, MC0155RTU7

Intended Use: For Research Use Only

Description: The CD42b glycoprotein, also known as GPIb, is a co-factor of ristocetin-induced aggregation and is involved in the binding of platelets to blood vessel walls. The CD42b antigen is expressed on platelets and on megakaryocytes in bone marrow. The absence of CD42b antigen on platelets may indicate Bernard-Soulier disease. CD42b is a platelet activation marker involved in the process of coagulation as an aggregating factor. It interacts with extracellular matrix as well as with adhesion molecules. Its expression and activation seems to be regulated by VEGF and PDGF.

Specifications:

Clone:	13G2
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human
Immunogen:	Recombinant protein of human CD42b aa 100-350
Localization:	Membrane
Formulation:	Purified antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt.

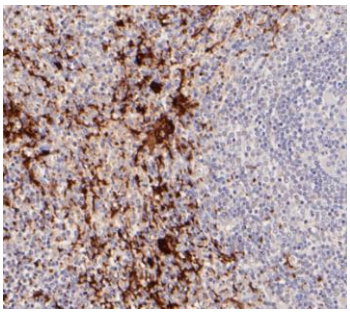
Package:

Description	Catalog No.	Size
CD42b Concentrated	MC0155	1 ml
CD42b Prediluted	MC0155RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Spleen, bone marrow tissue, Jurkat cells
Concentrated Dilution:	10-100
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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-CD42b using DAB

References:

1. Use of CD42b immunohistochemical stain for the detection of Histoplasma. Nam K Ku, et al. Ann Diagn Pathol. Feb:32:47-50, 2018.
2. Platelets Direct Monocyte Differentiation Into Epithelioid-Like Multinucleated Giant Foam Cells With Suppressive Capacity Upon Mycobacterial Stimulation. Feng Y, et al. J Infect Dis N/A:N/A, 2014.
3. Redox control of ß2-glycoprotein I-von Willebrand factor interaction by thioredoxin-1. Passam FH, et al. Journal of thrombosis and haemostasis : JTH (8:1754), 2010.

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