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DATA SHEET

Mouse Anti-CD66b/CEACAM8/CD67 [G10F5]: MC0694

Intended Use: For Research Use Only

Description: CD66b is a 95-100 kD single-chain glycosylphosphatidylinositol (GPI)-linked glycoprotein expressed by neutrophilic and eosinophilic granulocytes. CD66b is a member of the carcinoembryonic antigen (CEA)-like subfamily of proteins within the immunoglobulin superfamily and possesses two Ig-like C2-type domains and one Ig-like V-type domain. Expressed on granulocytes in the cytoplasm as well as being expressed on the plasma membrane, CD66b appears to play a role as a signaling receptor involved in cell adhesion, phagocytosis, and chemotaxis by regulating granulocyte activation and adhesion to several proteins, including CD66c, galectin-3, fibronectin, and E-selectin.

Specifications

Clone:	G10F5
Source:	Mouse
Isotype:	IgM/k
Reactivity:	Human
Immunogen:	Human peripheral blood cells
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., ICC/IF

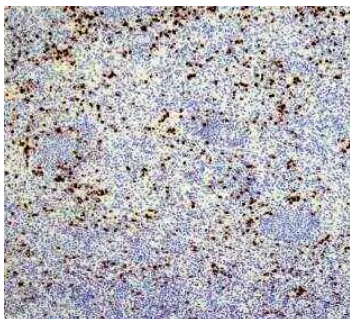
Package:

Description	Catalog No.	Size
CD66b/CEACAM8/CD67 [G10F5] Concentrated	MC0694	1 ml

IHC Procedure*

Positive Control Tissue:	Spleen
Concentrated Dilution:	20-200
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-CD66b using DAB

References:

1. IBEX: an iterative immunolabeling and chemical bleaching method for high-content imaging of diverse tissues. Andrea J Radtke, et al. Nat Protoc. Feb;17(2):378-401, 2022. doi: 10.1038/s41596-021-00644-9.
2. Single-Cell Analysis of Crohn's Disease Lesions Identifies a Pathogenic Cellular Module Associated with Resistance to Anti-TNF Therapy. Jerome C Martin, et al. Cell. Sep 5;178(6):1493-1508, 2019.e20. doi: 10.1016/j.cell.2019.08.008.
3. Abnormal proliferation and spontaneous differentiation of myoblasts from a symptomatic female carrier of X-linked Emery-Dreifuss muscular dystrophy. Peter Meinke, et al. Neuromuscul Disord. Feb;25(2):127-36, 2015. doi: 10.1016/j.nmd.2014.09.012.

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