

Mouse Anti-CD163 [M130/1210]: MC0367, MC0367RTU7

Intended Use: For Research Use Only

Description: CD163 is an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, thereby protecting tissues from free hemoglobin-mediated oxidative damage. Expression of CD163 is restricted to cells of the monocyte/macrophage lineage. This antibody labels monocytes and macrophages in the spleen and peripheral blood. The CD163 antibody might be used for identifying tumors of monocytic origin.

Specifications:

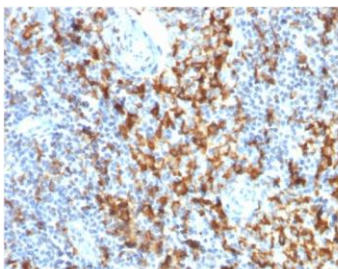
Clone: M130/1210
Source: Mouse
Isotype: IgG2b/k
Reactivity: Human
Immunogen: Recombinant human CD163 fragment (around aa 43-196)
Localization: Membrane, cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C
Applications: IHC, WB
Package:

Description	Catalog No.	Size
CD163 Concentrated	MC0367	1 ml
CD163 Prediluted	MC0367RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Spleen, uterus
Concentrated Dilution: 50-200
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 lymph node stained with anti-CD163 using DAB

References:

1. Lean and Obese Coronary Perivascular Adipose Tissue Impairs Vasodilation via Differential Inhibition of Vascular Smooth Muscle K⁺ Channels. Noblet JN, et al. Arterioscler Thromb Vasc Biol 35:1393-400, 2015.
2. Obesity Is a Positive Modulator of IL-6R and IL-6 Expression in the Subcutaneous Adipose Tissue: Significance for Metabolic Inflammation. Sindhu S, et al. PLoS One 10:e0133494, 2015.
3. Mutation of NLRC4 causes a syndrome of enterocolitis and autoinflammation. Romberg N, et al. Nat Genet 46:1135-9, 2014.
4. Adenosine A2A receptor activation prevents wear particle-induced osteolysis. Mediero A, et al. Sci Transl Med 4:135ra65, 2012.