DATA SHEET

CD163 Ab-1 (Clone 10D6)

Mouse Monoclonal Antibody

Cat. #DLN-06367, -06368, -06366 (0.1ml. 0.5ml, 0r 1.0ml Supernatant)
Cat. #DLN-06365 (7.0ml) (Ready-to-Use for Immunohiostochemical Staining)

Description:

CD163 antigen is a type I membrane protein also known as M130 antigen, Ber-Mac3, Ki-M8 or SM4. CD163 is restricted in its expression to the monocytic/macrophage lineage. It is present on all circulating monocytes and most tissue macrophages except those found in the mantle zone and germinal centers of lymphoid follicles, interdigitating reticulum cells and Langerhan's cells.

Comments:

Ab-1 may be useful in the localization of monocytes and most macrophage types as well as aiding further study into the function and expression of CD163 antigen itself.

Epitope: Domains 1 to 4 of the N-terminal region

Species Reactivity: Human. Others-not known.

Clone Designation: 10D6

Ig Isotype: IgG_1

Immunogen: Recombinant protein encoding of domains 1-4 of the N-terminal region of human CD163.

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin only)
  (Ab 1:50-1:100 for 60 min at RT)

* [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Placenta

Cellular Localization: Cell membrane

Supplied As:

Tissue culture supernatant with 0.09% sodium azide,

or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability:

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

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Suggested References:

1. Droste A, et al. Biochem Biophys Res Commum. 256(1): 110-113(1999).
2. Hogger P, et al. J Immunol. 161(4): 1883-1890 (1998).

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only

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