

CD14 (Clone ZM104) Mouse Monoclonal Antibody

Specificity: Human. Others not tested

Immunogen: Recombinant fragment of human CD14 protein (around aa 25-148)

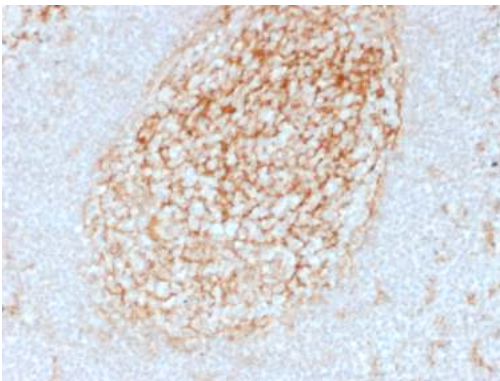
Ig Class: IgG1/κ

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

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200. *Positive Control:* Tonsil or lymph node. *Cellular Localization:* Membrane and cytoplasmic. *Intended Use:* In Vitro Diagnosis (IVD).

Description: Recognizes a protein of 55kDa, identified as CD14 (also known lipopolysaccharide receptor). CD14 is expressed strongly on monocytes and macrophage and weakly on the surface of neutrophils. CD14 is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and functions as a high affinity receptor for complexes of LPS and LPS binding protein (LBP). Soluble CD14, also binding to LPS, acts at physiological concentration as an LPS agonist and has, at higher concentrations, an LPS antagonizing effect in cell activation.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



References:

1. Gregory CD, et al. *Science*. 1990; 249:1431-33.
2. Marmey B, et al. *Hum Pathol*. 2006; 37:68-77.
3. Rollins-Raval MA, et al. *Histopathology*. 2012; 60:933-42.

Formalin-fixed, paraffin-embedded human lymph node stained with anti-CD14 antibody using peroxidase-conjugate and DAB chromogen. Note cytoplasmic and membrane staining of Langerhan cells (in follicle) and histiocytes in perifollicular region

Cat. #Z2415 (1 ml)

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