

CD163 (ZR426)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant fragment of human CD163 protein (around aa 43-196)
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: CD163 (ZR426) Rabbit Monoclonal primary antibody detects CD163 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain CD163 protein.

Localization: Cytoplasmic and membrane.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: This mAb recognizes a protein of 140 kDa, identified as CD163. It has been identified as an acute-phase-regulated transmembrane protein whose function is to mediate the endocytosis of haptoglobin-hemoglobin complexes. This receptor is expressed on the surface of monocytes with low expression and on tissue macrophages and histiocytes with high expression. CD163 engages with synovial macrophages from synovial intimal fibroblasts in rheumatoid arthritis with increased specificity compared to anti-CD68. Increased levels of CD163 were also detected upon microbial infections and myelomonocytic leukemias. Anti-CD163 is of considerable value for the selective identification of monocytes and macrophages at a certain stage of differentiation, illustrating advancing malignancies such as myelomonocytic or monocytic leukemia and neoplasms of true histiocytic origin. CD163 expression was observed in the skin (histiocytes), gut, Kupffer cells, a few alveolar macrophages, macrophages in the placenta, and macrophages in inflamed tissues, including tumor tissue.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Buechler C, et al. J Leukoc Biol. 2000; 67:97-103.
2. Kristiansen M, et al. Nature. 2001; 409:198-201.
3. Backe E, et al. J Clin Pathol. 1991; 44:936-45.

REF Z2782RL/ Z2782RS/ Z2782RT/ Z2782RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)




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RUO
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LOT
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