Recombinant CD163 (Monocyte & Macrophage Marker) Antibody

Mouse Monoclonal Antibody [Clone rM130/8823]

Catalog No	Format	Size
9332-MSM15-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9332-MSM15-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9332-MSM15-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

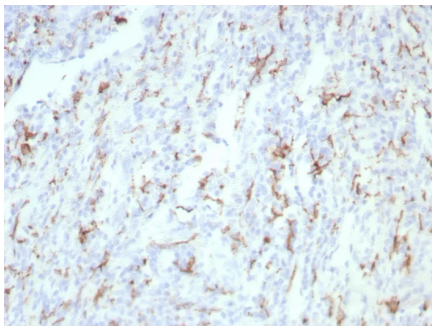
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

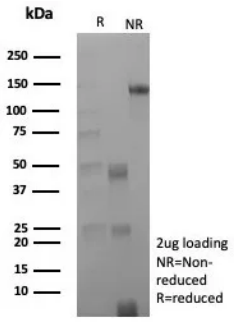
Clone	rM130/8823
Immunogen	Recombinant fragment (around aa43-196) of the human CD163 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	125.45kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	hPBL cells. Skin|lung|placenta or histiocytoma tissue. Spleen.

**Optimal dilution for a specific application should be determined.*

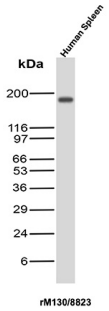
Product Images for Recombinant CD163 (Monocyte & Macrophage Marker) Antibody



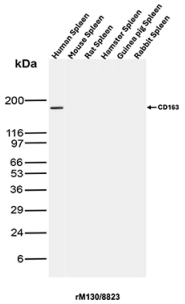
Formalin-fixed, paraffin-embedded human tonsil stained with CD163 Recombinant Mouse Monoclonal Antibody (rM130/8823). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



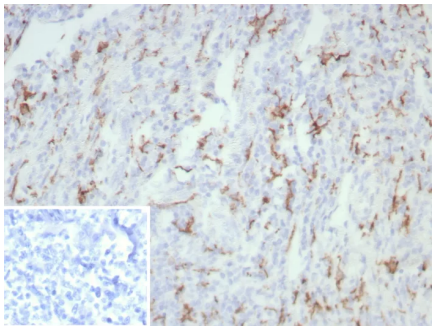
SDS-PAGE Analysis of Purified CD163 Recombinant Mouse Monoclonal Antibody (rM130/8823). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Human Spleen tissue lysate using CD163Recombinant Mouse Monoclonal Antibody (rM130/8823).



Western blot analysis of human spleen tissue lysates using M130 Recombinant Mouse Monoclonal Antibody (rM130/8823).



Formalin-fixed, paraffin-embedded human tonsil stained with CD163 Recombinant Mouse Monoclonal Antibody (rM130/8823). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

CD163 is a type I membrane protein, and is a member of the hemoglobin scavenger receptor cystein-rich superfamily. The protein is involved in the clearance of hemoglobin-haptoglobin complexes and is considered to have anti-inflammatory functions. CD163 expression is restricted to the monocytic/macrophage lineage. It is expressed by all circulating monocytes and by a majority of tissue macrophages, such as splenic dendrocytes, alveolar macrophages and Kupffer cells of the liver. It is not present in macrophages in the mantle zone and some of the germinal center cells in lymph follicles, nor in Langerhans cells and interdigitating reticulum cells. In tumor tissues, CD163 is found in almost all cases of acute myeloid leukemia with monocytoid differentiation and in the majority of cases of histiocytic sarcoma, littoral cell angioma, Rosai-Dorfman disease, Langerhans cell histiocytosis and typical and atypical fibrous histiocytoma. It is also expressed in some cases of dermatofibrosarcoma protuberans. CD163 can be used to detect cells of monocytic and histiocyte lineage in neoplastic and reactive lesions. It has been shown to be more sensitive than CD68 for the detection of macrophages and monocytic cells. It covers a similar, but not identical, spectrum of cells as CD68.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.