CD163 (Monocyte & Macrophage Marker) Antibody

Mouse Monoclonal Antibody [Clone M130/2163]

Catalog No	Format	Size
9332-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9332-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9332-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

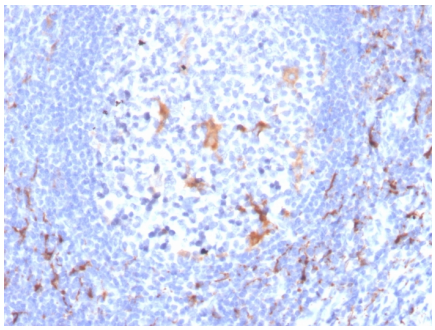
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

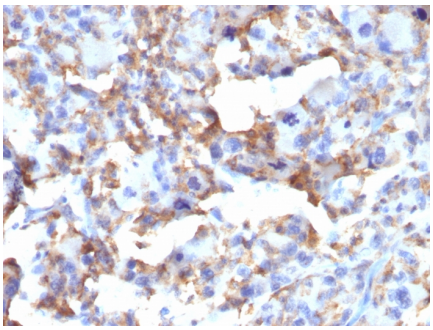
Clone	M130/2163
Gene Name	CD163
Immunogen	Recombinant human CD163 fragment (around aa 43-196) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	140kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	HPBL cells. Skin, Lung, Placenta or Histiocytoma.

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

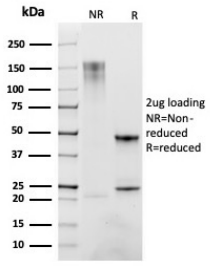
Product Images for CD163 (Monocyte & Macrophage Marker) Antibody



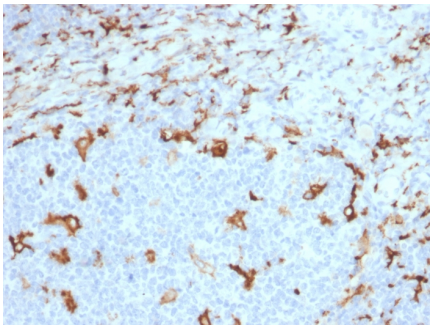
Formalin-fixed, paraffin-embedded human tonsil stained with CD163 Mouse Monoclonal Antibody (M130/2163).



Formalin-fixed, paraffin-embedded human Histiocytoma stained with CD163 Mouse Monoclonal Antibody (M130/2163).



SDS-PAGE Analysis of Purified CD163 Mouse Monoclonal Antibody (M130/2163). Confirmation of Integrity and Purity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with CD163 Mouse Monoclonal Antibody (M130/2163).

Specificity & Comments

This MAb recognizes a protein of 140kDa, 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, histiocytes with high expression. Staining with anti-CD163 has been helpful to distinguish synovial macrophages from synovial intimal fibroblasts in rheumatoid arthritis, where its specificity for macrophages was found to be superior to that of anti-CD68. Increased levels of CD163 were also detected in patients with microbial infections and myelomonocytic leukemias. Anti-CD163 is of considerable value for selective identification of monocytes and macrophages at a certain stage of differentiation and is suitable for diagnosing myelomonocytic or monocytic leukaemia and neoplasms of true histiocytic origin. CD163 is positive in skin (histiocytes), gut, Kupffer cells, a few alveolar macrophages, macrophages in the placenta, and in macrophages in inflamed tissues including tumor tissue.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. 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.

Research Areas

Cardiovascular, Dendritic Cell Marker, Hematopoietic Stem Cells, Infectious Disease

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.