

Datasheet for ABIN6941114
anti-CD163 antibody (AA 43-196)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD163
Binding Specificity:	AA 43-196
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD163 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human CD163 fragment (around aa 43-196) (Exact sequence is proprietary)
Clone:	M130-1210
Isotype:	IgG2b kappa
Specificity:	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, 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

Product Details

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.

Purification: Purified by Protein A/G

Target Details

Target: CD163

Alternative Name: CD163 ([CD163 Products](#))

Molecular Weight: 140kDa

Gene ID: 9332

Application Details

Application Notes: Positive Control: HPBL cells. Skin, Spleen, Lung, Placenta or Histiocytoma.
Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT), (Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

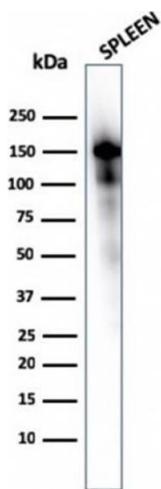
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

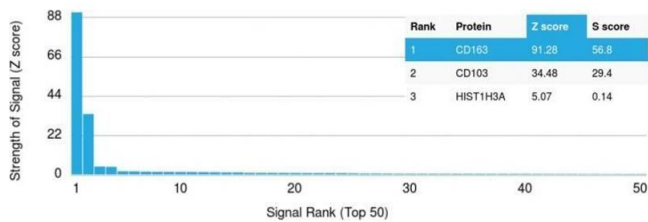
Storage: 4 °C, -80 °C

Storage Comment: 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.



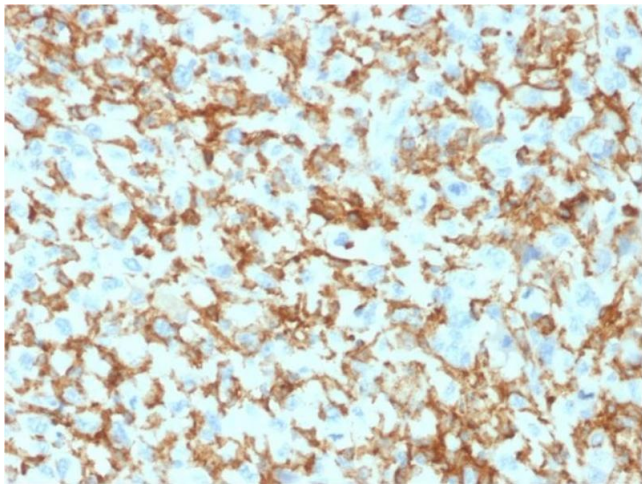
Western Blotting

Image 1. Western Blot Analysis of Spleen tissue lysate using CD163 Mouse Monoclonal Antibody (M130/1210).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CD163 Mouse Monoclonal Antibody (M130/1210). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Histiocytoma stained with CD163 Mouse Monoclonal Antibody (M130/1210).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6941114.