

Datasheet for ABIN6941115  
**anti-CD163 antibody (AA 43-196)**

## 5 Images

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## 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:	Immunohistochemistry (IHC), ELISA, Immunostaining (Ist), Coating (Coat), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment (around aa 43-196) of human CD163 (exact sequence is proprietary)
Clone:	M130-2162
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 ( <a href="#">CD163 Products</a> )
Molecular Weight:	140kDa
Gene ID:	9332

## Application Details

Application Notes: Positive Control: HPBL cells. Skin, Lung, Placenta or Histiocytoma.  
Known Application: ELISA (For coating, order antibody without BSA), 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

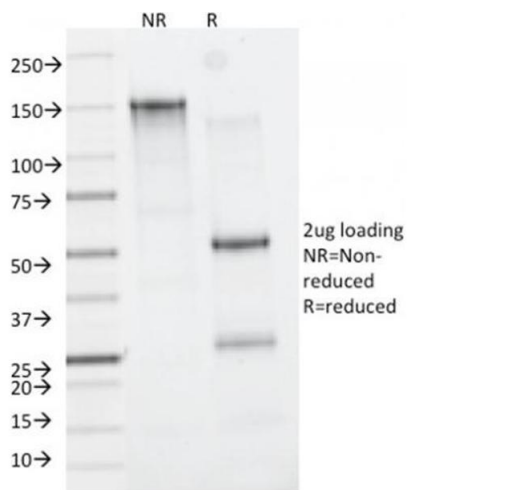
## Handling

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.

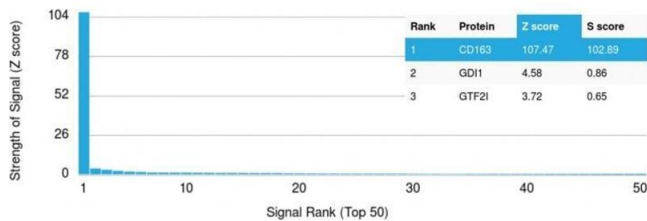
Expiry Date: 24 months

Images



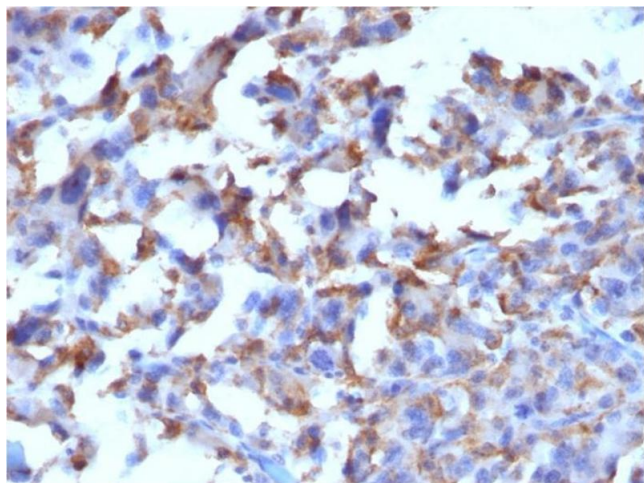
SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD163-Monospecific Mouse Monoclonal Antibody (M130/2162). Confirmation of Purity and Integrity of Antibody.



Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using CD163-Monospecific Mouse Monoclonal Antibody (M130/2162). 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 (SD's) 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 SD's) 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-Monospecific Mouse Monoclonal Antibody (M130/2162).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6941115.