

DATASHEET

CD163 Mouse Monoclonal Antibody (ARM939)

CAT. NO. ARM6729

KEY FEATURES

Target	CD163	Clone ID	ARM939
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

Cluster of Differentiation 163 (CD163) is a receptor found exclusively on the surface of monocytes and macrophages. The solubilized form in plasma is upregulated in inflammatory diseases such as rheumatoid arthritis, atherosclerosis, and Gaucher's disease, which supports recent studies that have found IL-10, glucocorticoids, and other inflammatory modulators to upregulate CD163 expression. CD163 staining is useful for differentiating synovial intimal fibroblasts from synovial macrophages in rheumatoid arthritis. Overexpression of CD163 is also present in patients with myelomonocytic leukemia dealing with microbial infections. CD163 expression is found in leukemias with monocytic differentiation and synovial-type giant cell tumours of the vertebral column.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG1
Positive Control	Inflamed Tissue, Tonsil
Localization	Cytoplasmic, Membranous
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	CD163
Entrez Gene ID	9332
Uniprot	Q86VB7
Alternative Names	M130; Scavenger receptor cysteine-rich type 1 protein M130; Hemoglobin scavenger receptor; CD163

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

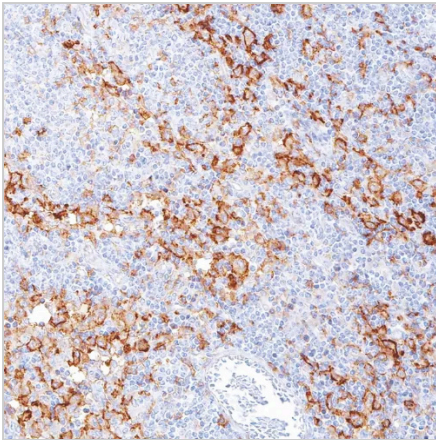
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

DATA

Immunohistochemical staining of human tonsil tissue using CD163 Mouse Monoclonal Antibody (ARM939).

RESEARCH USE ONLY

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / cd163-mouse-monoclonal-antibody-arm939-arm6729](http://www.arexbio.com/cd163-mouse-monoclonal-antibody-arm939-arm6729)