

Summary

Production Name	CD163 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC,ELISA
Reactivity	Human,Mouse,Rat,Rabbit,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	CD163
Alternative Names	M130; MM130; SCAR1
Gene ID	9332.0
SwissProt ID	Q86VB7.Purified recombinant fragment of human CD163 (AA: extra 42-259) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	125.4kDa

Background

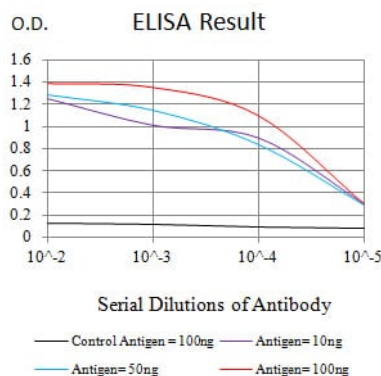
Product Name: CD163 Mouse Monoclonal Antibody
Catalog #: AMM82379



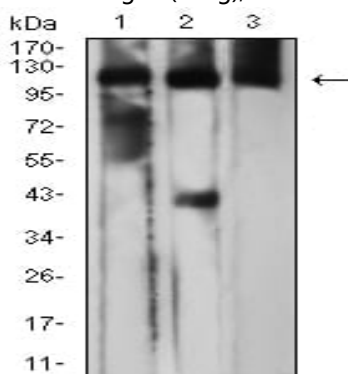
The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Research Area

Image Data

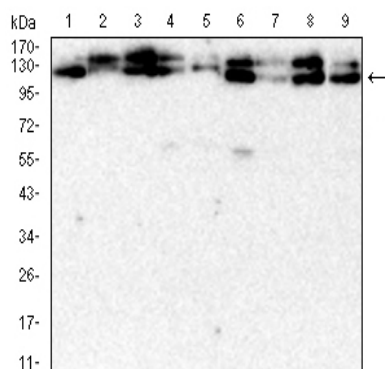


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

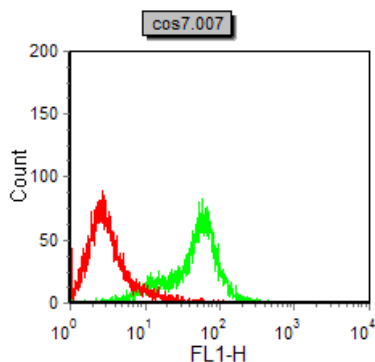


Western blot analysis using CD163 mouse mAb against Raw264.7 (1), NIH/3T3 (2), and HL-60 (3) cell lysate.

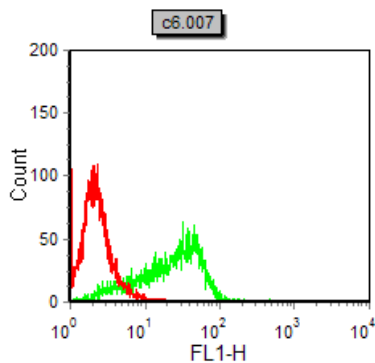
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Western blot analysis using CD163 mouse mAb against
PC-12(1),Raw264.7(2),NIH/3T3(3),NRK(4),C2C12(5),C6(6),L1210(7),F9(8),CHO3D10(9) cell lysate.

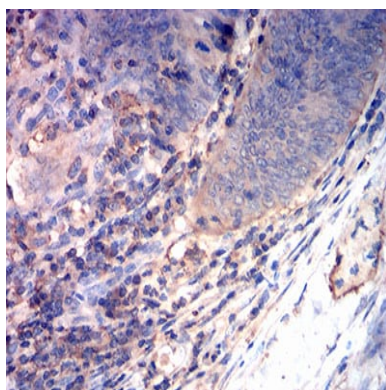


Flow cytometric analysis of COS7 cells using CD163 mouse mAb (green) and negative control (red).

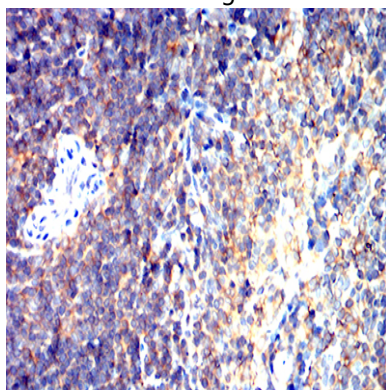


Flow cytometric analysis of C6 cells using CD163 mouse mAb (green) and negative control (red).

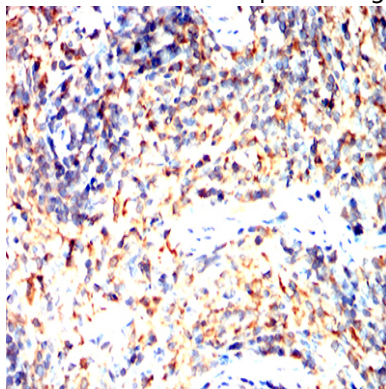
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Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using CD163 mouse mAb with DAB staining.

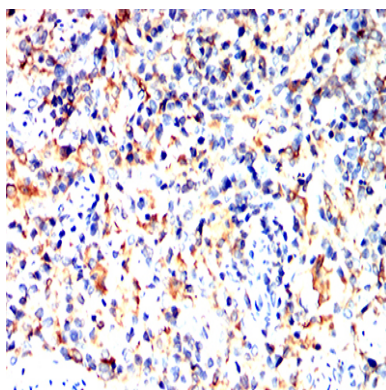


Immunohistochemical analysis of paraffin-embedded Mouse spleen using CD163 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat spleen using CD163 mouse mAb with DAB staining.

Product Name: CD163 Mouse Monoclonal Antibody
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Immunohistochemical analysis of paraffin-embedded Rabbit spleen using CD163 mouse mAb with DAB staining.

Note

For research use only.