

# Product Datasheet

## CD163 Antibody (RM3/1)

### NBP1-60158-0.05mg

Unit Size: 0.05 mg

Store at 4C.

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#### Publications: 5

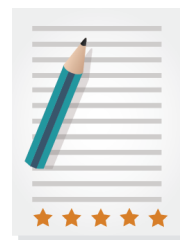
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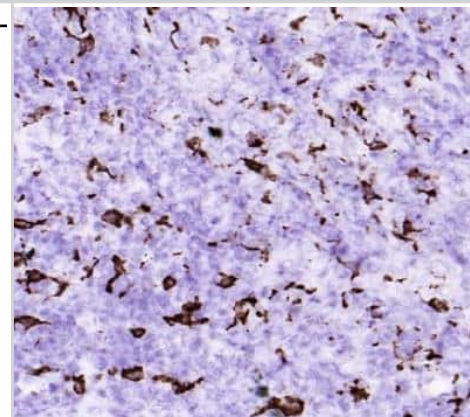
Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	RM3/1
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	0.2 um filtered solution in PBS and 0.1% BSA

Product Description	
Description	Positive Control: CHO-cells transfected with CD163 Negative control: Muscle cells
Host	Mouse
Gene ID	9332
Gene Symbol	CD163
Species	Human, Monkey
Marker	Histiocytic Marker
Immunogen	Human monocytes (epitope recognized SRCR domain 9)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:10, Flow Cytometry 1:10, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10, Immunoassay
Application Notes	This antibody works in Flow Cytometry, Immunofluorescence, Immunohistochemistry-Frozen, Immunoprecipitation, Western Blot. The typical starting working dilution is 1:10. CD163 is sensitive to ionic detergents and to chloroform/methanol treatment.

**Images**

Immunohistochemistry-Frozen: CD163 Antibody (RM3/1) [NBP1-60158] - Staining of interfollicular tissue in frozen tonsil sections.



## Publications

Zwadlo G, Voegeli R, Osthoff KS, Sorg C. A monoclonal antibody to a novel differentiation antigen on human macrophages associated with the down-regulatory phase of the inflammatory process. *Exp Cell Biol*;55(6):295-304. 1987-01-01 [PMID: 3450546]

Komohara Y, Hirahara J, Horikawa T, Kawamura K, Kiyota E, Sakashita N, Araki N, Takeya M. AM-3K, an anti-macrophage antibody, recognizes CD163, a molecule associated with an anti-inflammatory macrophage phenotype. *J Histochem Cytochem*;54(7):763-71. 2006-07-01 [PMID: 16517975]

Droste A, Sorg C, Hogger P. Shedding of CD163, a novel regulatory mechanism for a member of the scavenger receptor cysteine-rich family. *Biochem Biophys Res Commun*;256(1):110-3. 1999-03-05 [PMID: 10066432]

Frings W, Dreier J, Sorg C. Only the soluble form of the scavenger receptor CD163 acts inhibitory on phorbol ester-activated T-lymphocytes, whereas membrane-bound protein has no effect. *FEBS Lett.* 526(1-3):93-6. 2002-08-28 [PMID: 12208511]

Hogger P, Dreier J, Droste A, Buck F, Sorg C. Identification of the integral membrane protein RM3/1 on human monocytes as a glucocorticoid-inducible member of the scavenger receptor cysteine-rich family (CD163). *J Immunol*;161(4):1883-90. 1998-08-15 [PMID: 9712057]





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### **Products Related to NBP1-60158-0.05mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-48846PEP	CD163 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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