

Product Datasheet

CD163 Antibody (5C6-FAT) - Azide and BSA Free BM4041

Unit Size: 0.1 mg

Store at -70C. Avoid freeze-thaw cycles.

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BM4041

CD163 Antibody (5C6-FAT) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	2 mg/ml
Storage	Store at -70C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5C6-FAT
Preservative	No Preservative
Isotype	IgG1
Purity	Affinity purified
Buffer	PBS (pH 7.2)

Product Description	
Description	<p>Antigen distribution:</p> <p>Isolated cells: Monocytes, particularly after dexamethasone treatment or after 2-5 days in culture. Does not react with lymphocytes, granulocytes or platelets.</p> <p>Tissue sections: Positive staining can be observed in the skin (histiocytes), gut, Kupffer cells, few alveolar macrophages, a major population of macrophages in the placenta, varying degrees of macrophages in inflamed tissues, including tumorous tissue depending on the inflammatory stage. Red pulp, but not white pulp macrophages of the spleen, and cortical macrophages of the thymus are detected. Macrophages in the synovialis of patients with rheumatoid arthritis. In alveolar macrophages and in Kupffer cells a double staining can be observed with monoclonal antibody 25F9 (product T-1016) which is not the case in other tissues.</p>
Host	Mouse
Gene ID	9332
Gene Symbol	CD163
Species	Human
Marker	Histiocytic Marker
Specificity/Sensitivity	Human: monocytes and macrophages. Other: not tested.
Immunogen	Human CD163.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1.0 ug/ml, Immunohistochemistry-Frozen 0.5 ug/ml
Application Notes	The CD163 antibody (5C6-FAT) is useful for Immunohistochemistry on frozen and paraffin-embedded sections, ELISA, and Western Blot. For IHC on paraffin-embedded sections Proteinase K pretreatment for antigen retrieval is recommended. Immunocytochemistry/Immunofluorescence was reported in scientific literature.



Publications

Razieh Rabani, Allen Volchuk, Mirjana Jerkic, Lindsay Ormesher, Linda Garces-Ramirez, Johnathan Canton, Claire Masterson, Stephane Gagnon, Kate C Tatham, John Marshall, Sergio Grinstein, John G Laffey, Katalin Szaszi, Gerard F Curley Mesenchymal stem cells enhance NOX2-dependent reactive oxygen species production and bacterial killing in macrophages during sepsis. *The European respiratory journal* 2019-05-06 [PMID: 29519920]

Castanha PM, Erdos G, Watkins SC et al. Reciprocal immune enhancement of dengue and Zika virus infection in human skin *JCI Insight* 2020-01-07 [PMID: 31910161] (IF/IHC, Human)

Scheibe K, Kersten C, Schmied A et al. Inhibiting Interleukin 36 Receptor Signaling Reduces Fibrosis in Mice with Chronic Intestinal Inflammation. *Gastroenterology*. 2018-11-16 [PMID: 30452921] (ICC/IF, Human)

Kobayashi Y, Yoshida S, Nakama T et al. Overexpression of CD163 in vitreous and fibrovascular membranes of patients with proliferative diabetic retinopathy: possible involvement of periostin. *Br J Ophthalmol*. 2014-10-03 [PMID: 25281471]

Amanzada A, Malik IA, Blaschke M et al. Identification of CD68(+) neutrophil granulocytes in in vitro model of acute inflammation and inflammatory bowel disease *Int J Clin Exp Pathol* 2013-01-01 [PMID: 23573303] (ICC/IF, IHC-P, Human)

Pendyala S, Neff LM, Suarez-Farinas M, Holt PR. Diet-induced weight loss reduces colorectal inflammation: implications for colorectal carcinogenesis. *Am J Clin Nutr*;93(2):234-42. 2011-02-01 [PMID: 21147860] (IF/IHC, Human)





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Products Related to BM4041

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)
NBP2-49028PEP	CD163 Recombinant Protein Antigen

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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