

Product Datasheet

CD163 Antibody (K20-T)

NBP1-30148-0.1ml

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NBP1-30148-0.1ml

CD163 Antibody (K20-T)

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	K20-T
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	20mM Tris-HCl (pH 8.0) and 20mg/ml BSA

Product Description

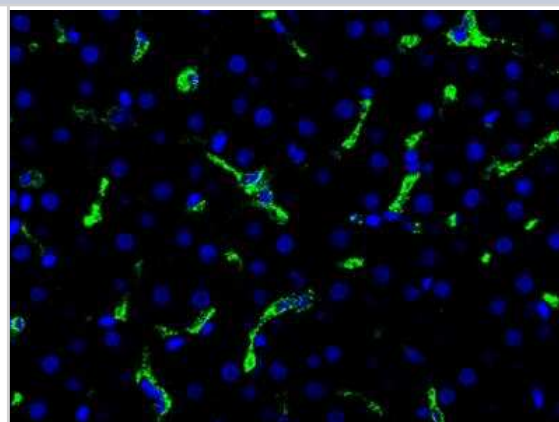
Description	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.
Host	Rabbit
Gene ID	9332
Gene Symbol	CD163
Species	Human
Marker	Histiocytic Marker
Specificity/Sensitivity	This antibody is specific for the N terminus of CD163.
Immunogen	Peptide derived from N-terminal sequence of human CD163. Antibody recognizes the epitope between Gly134 - Gly148.
Notes	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.

Product Application Details

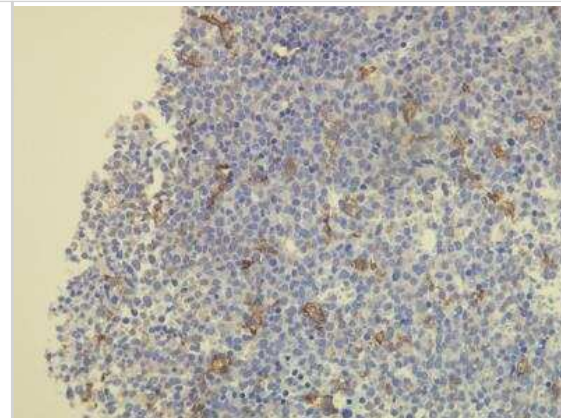
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:100 -1:200, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:100 - 1:200, Immunohistochemistry-Frozen
Application Notes	Use in Immunohistochemistry-Frozen was reported in scientific literature (PMID: 24798518).

Images

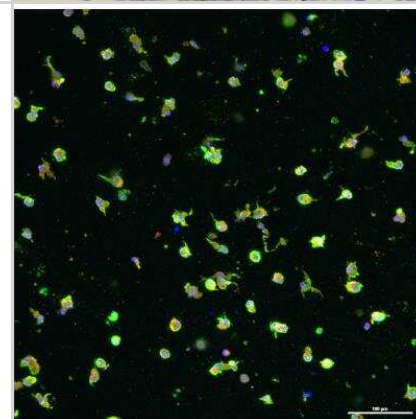
Immunohistochemistry-Paraffin: CD163 Antibody (K20-T) [NBP1-30148] - CD163 immunolabelling on a FFPE tissue section of human HCV liver biopsy. Image provided by Victoria Gadd.



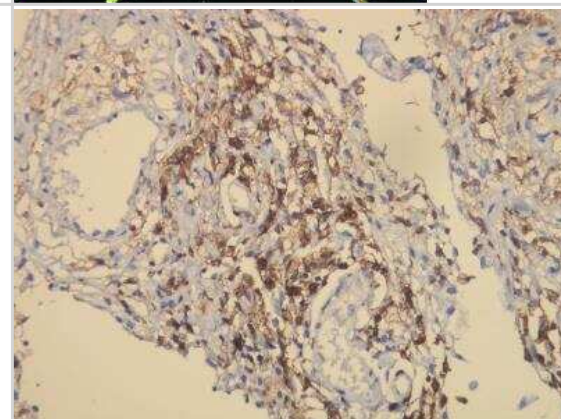
Immunohistochemistry-Paraffin: CD163 Antibody (K20-T) [NBP1-30148]
 - CD163 expression in the macrophages of the bone marrow. FFPE human tissues (4 um sections) stained with anti-CD163.



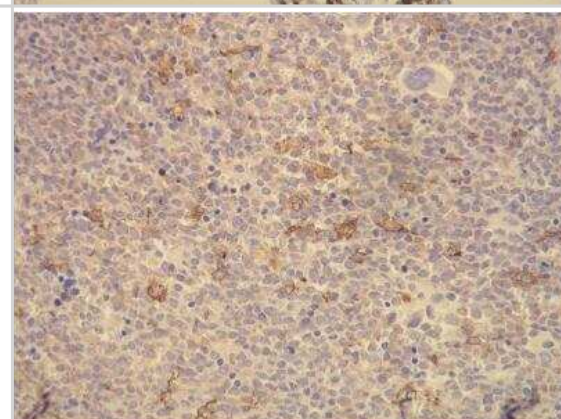
Immunocytochemistry/Immunofluorescence: CD163 Antibody (K20-T) [NBP1-30148] - Human primary macrophages in 3D cell culture. Primary antibodies to CD163 (NBP1-30148; RED) and CD206 (clone 15-2; GREEN) were both diluted at 1:100 in blocking buffer and incubated overnight at 4C. This image represents a 100-micron Z-Stack displayed as maximum intensity projection. Image from verified customer review.



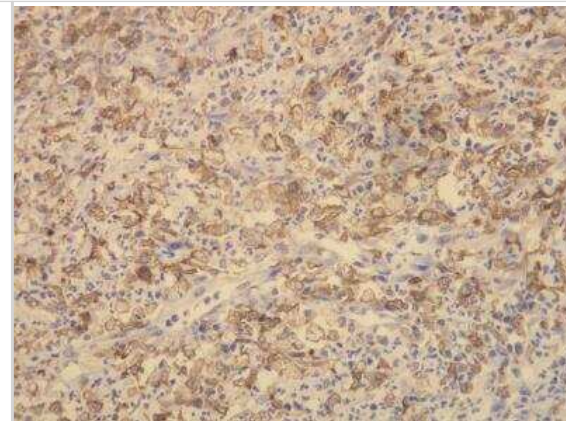
Immunohistochemistry-Paraffin: CD163 Antibody (K20-T) [NBP1-30148]
 - Formalin fixed, paraffin embedded human tissues (4 um sections) stained with CD163 Antibody (K20-T).



Immunohistochemistry-Paraffin: CD163 Antibody (K20-T) [NBP1-30148]
 - Human bone marrow .



Immunohistochemistry-Paraffin: CD163 Antibody (K20-T) [NBP1-30148]
- CD163-positive macrophages in the abscess of the liver. FFPE human tissues (4 um sections) stained with anti-CD163



Publications

Gibier JB, Hemon B, Fanchon M et al. Dual role of MUC1 mucin in kidney ischemia-reperfusion injury: Nephroprotector in early phase, but pro-fibrotic in late phase. *Biochim. Biophys. Acta.* 2017-03-31 [PMID: 28366875]

FH Brasil da, MS Lewis, A Truong, DD Carson, MC Farach-Car SULF1 suppresses Wnt3A-driven growth of bone metastatic prostate cancer in perlecan-modified 3D cancer-stroma-macrophage triculture models *PLoS ONE*, 2020-05-15;15(5):e0230354. 2020-05-15 [PMID: 32413029]

Tabata T, Petitt M, Fang-Hoover J et al. Neutralizing Monoclonal Antibodies Reduce Human Cytomegalovirus Infection and Spread in Developing Placentas *Vaccines (Basel)* 2019-09-29 [PMID: 31569508] (ICC/IF, Human)

Locke LW, Crouser ED, White P et al. IL-13-regulated Macrophage Polarization during Granuloma Formation in an In Vitro Human Sarcoidosis Model *Am. J. Respir. Cell Mol. Biol.* 2018-08-22 [PMID: 30134122] (ICC/IF, Human)

Azad AK, Rajaram MV, Metz WL et al. gamma-Tilmanocept, a New Radiopharmaceutical Tracer for Cancer Sentinel Lymph Nodes, Binds to the Mannose Receptor (CD206) *J. Immunol.* 2015-09-01 [PMID: 26202986] (IHC-P, Human)

O'Brown ZK, Van Nostrand EL, Higgins JP et al. The Inflammatory Transcription Factors NFkB, STAT1 and STAT3 Drive Age-Associated Transcriptional Changes in the Human Kidney. *PLoS Genet.* 2015-12-01 [PMID: 26678048]

Drouin-Ouellet J, Sawiak SJ, Cisbani G et al. Cerebrovascular and blood-brain barrier impairments in Huntington's disease: Potential implications for its pathophysiology *Ann. Neurol.* 2015-04-09 [PMID: 25866151] (IHC-P, Human)

Cicchetti F, Lacroix S, Cisbani G et al. Mutant huntingtin is present in neuronal grafts in Huntington's disease patients. *Ann. Neurol.* 2014-05-06 [PMID: 24798518] (IHC-Fr, Human)

Gadd VL, Melino M, Roy S et al. Portal, but not lobular, macrophages express matrix metalloproteinase-9: association with the ductular reaction and fibrosis in chronic hepatitis C *Liver Liver Int* 2012-11-12 [PMID: 23240894] (ICC/IF, IF/IHC, Human)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-49028PEP	CD163 Recombinant Protein Antigen

Limitations

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