

# Product Datasheet

## CD163 Antibody (ED2) - BSA Free NBP2-39099-100ug

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 7

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Updated 9/9/2025 v.20.1

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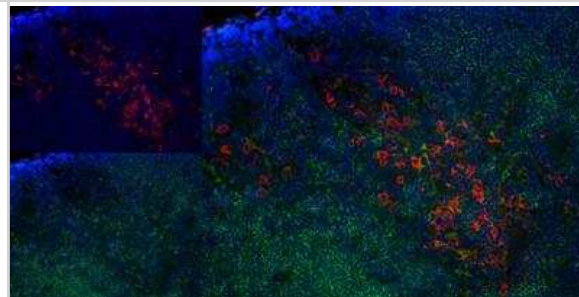
**NBP2-39099-100ug**

CD163 Antibody (ED2) - BSA Free

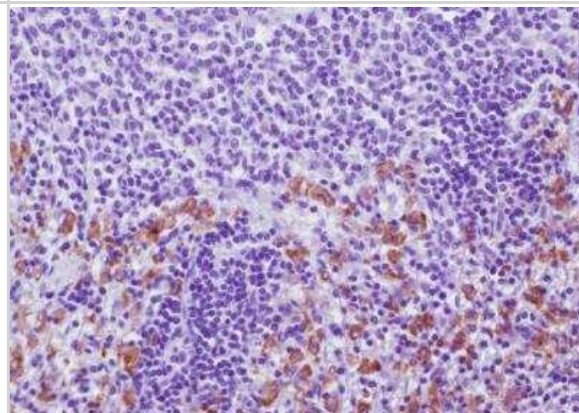
<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	ED2
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CD163 Antibody (ED2) - BSA Free (NBP2-39099) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-CD163 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	9332
<b>Gene Symbol</b>	CD163
<b>Species</b>	Rat
<b>Specificity/Sensitivity</b>	This antibody recognizes the rat ED2 cell surface glycoprotein.
<b>Immunogen</b>	Rat spleen cell homogenate
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:100 - 1:2000, Flow Cytometry 1:10 - 1:100, Immunohistochemistry 1:50 - 1:100, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:50 - 1:100, Immunohistochemistry-Frozen 1:50 - 1:100
<b>Application Notes</b>	This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase. This antibody may be used in immunohistology using antigen retrieval, and has also been described reacting with paraffin-embedded material following PLP fixation (Periodate-lysine-paraformaldehyde). See Whiteland et al.

## Images

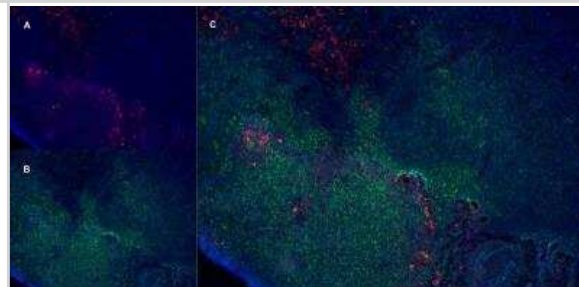
Immunocytochemistry/Immunofluorescence: CD163 Antibody (ED2) [NBP2-39099] - Staining of rat lymph node cryosection. Image A in Red (NBP2-39099), and Image B in green using Mouse anti-Rat CD8. Image C is the merged image with nuclei counter-stained blue using DAPI. High power.



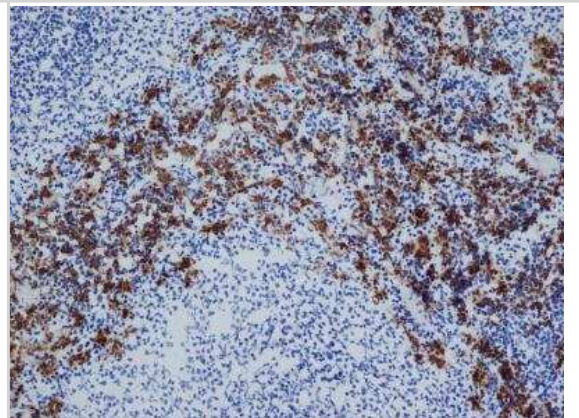
Immunohistochemistry-Paraffin: CD163 Antibody (ED2) - BSA Free [NBP2-39099] - Alcohol-fixed paraffin embedded spleen tissue from healthy rat spleen. Primary antibody dilution: 1:100. Image from verified customer review.



Immunocytochemistry/Immunofluorescence: CD163 Antibody (ED2) [NBP2-39099] - Staining of rat lymph node cryosection. Image A in Red (NBP2-39099), and Image B in green using Mouse anti-Rat CD8. Image C is the merged image with nuclei counter-stained blue using DAPI. Low power.



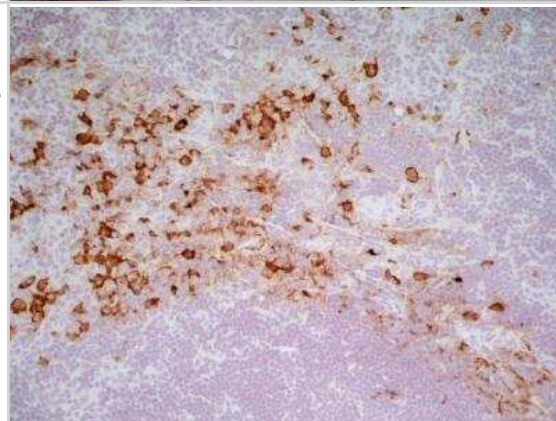
Immunohistochemistry-Frozen: CD163 Antibody (ED2) [NBP2-39099] - Staining of acetone fixed, cryostat sectioned rat spleen.



Immunohistochemistry-Frozen: CD163 Antibody (ED2) [NBP2-39099] - Immunoperoxidase staining of rat lymph node cryosection (NBP2-39099) followed by horseradish peroxidase conjugated Goat anti Mouse IgG1 as a detection reagent. Low power.



Immunohistochemistry-Frozen: CD163 Antibody (ED2) [NBP2-39099] - Immunoperoxidase staining of rat lymph node cryosection (NBP2-39099) followed by horseradish peroxidase conjugated Goat anti Mouse IgG1 as a detection reagent. High power.



## Publications

Park GY, Tarafder S, Eyen SL et al. Oxo-M and 4-PPBP Delivery via Multi-Domain Peptide Hydrogel Toward Tendon Regeneration *Frontiers in bioengineering and biotechnology* 2022-01-27 [PMID: 35155388] (ICC/IF, Rat)

Al-Qazazi R, Lima PDA, Prisco SZ Et al. Macrophage-NLRP3 Activation Promotes Right Ventricle Failure in Pulmonary Arterial Hypertension *Am J Respir Crit Care Med* 2022-06-14 [PMID: 35699679] (FLOW, Rat)

Details:

Citation using the Alexa Fluor 700 version of this antibody.

Gunasekaran M, Mishra R, Saha P et al. Comparative efficacy and mechanism of action of cardiac progenitor cells after cardiac injury *iScience* 2022-06-01 [PMID: 35847554] (FLOW, Human)

Isali I, McClellan P, Shankar E Et Al. Genipin guides and sustains the polarization of macrophages to the pro-regenerative M2 subtype via activation of the pSTAT6-PPAR-gamma pathway *Acta biomaterialia* 2021-07-02 [PMID: 34224892] (FLOW)

Orsi M, Palmai-Pallag M, Yakoub Y et al. Monocytic Ontogeny of Regenerated Macrophages Characterizes the Mesotheliomagenic Responses to Carbon Nanotubes *Frontiers in Immunology* 2021-06-14 [PMID: 34194430] (Rat)

Orsi M CHARACTERIZATION OF A NEW INTERMEDIATE MACROPHAGE SUBPOPULATION: SDC-1-POSITIVE SPM-LIKE MACROPHAGES POSSESS IMMUNOSUPPRESSIVE FUNCTIONS IN EARLY MESOTHELIOMAGENIC RESPONSES TO CARBON NANOTUBES Thesis 2021-01-01

Yang P, Zhang X, Lin Z et al. Adoptive transfer of polarized M2c macrophages ameliorates acute rejection in rat liver transplantation *Am J Transl Res* 2020-06-15 [PMID: 32655794]



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### **Products Related to NBP2-39099-100ug**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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