

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.

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NBP2-39099-100ug

CD163 Antibody (ED2) - BSA Free

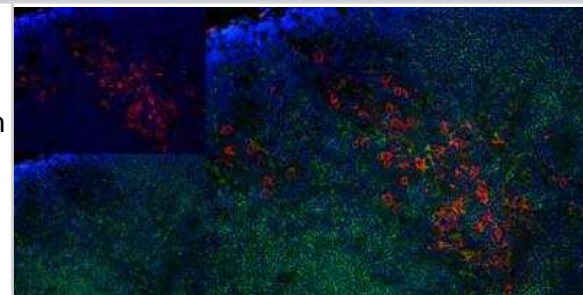
Product Information	
Unit Size	100 ug
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ED2
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	9332
Gene Symbol	CD163
Species	Rat
Specificity/Sensitivity	This antibody recognizes the rat ED2 cell surface glycoprotein.
Immunogen	Rat spleen cell homogenate

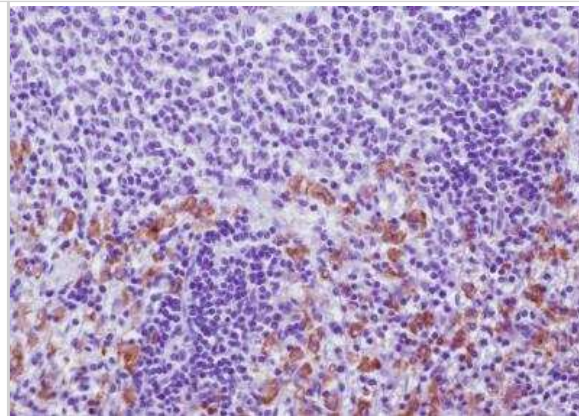
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 1:10 - 1:100, Immunohistochemistry 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
Application Notes	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

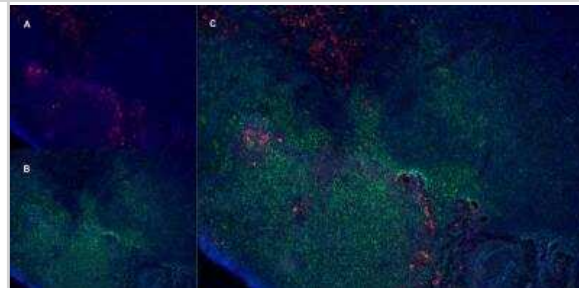
Immunocytochemistry/Immunofluorescence: CD163 Antibody (ED2) [NBP2-39099] - Staining of rat lymph node cryosection. Image A in Red (NBP2-39099), and Image B in green using Mouse anti-Rat CD8. Image C is the merged image with nuclei counter-stained blue using DAPI. High power.



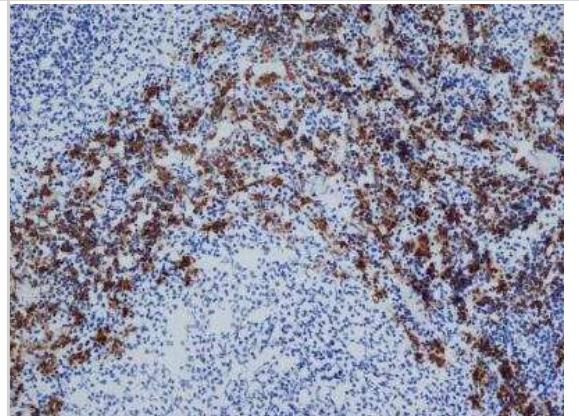
Immunohistochemistry-Paraffin: CD163 Antibody (ED2) - BSA Free [NBP2-39099] - Alcohol-fixed paraffin embedded spleen tissue from healthy rat spleen. Primary antibody dilution: 1:100. Image from verified customer review.



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.



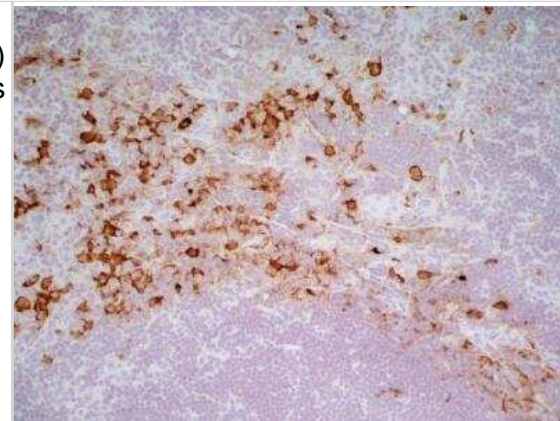
Immunohistochemistry-Frozen: CD163 Antibody (ED2) [NBP2-39099] - Staining of acetone fixed, cryostat sectioned rat spleen.



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

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

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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