

Product Datasheet

SIRP alpha/CD172a Antibody (OX-41) - BSA Free NB100-65530-250ug

Unit Size: 250 ug

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

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NB100-65530-250ug

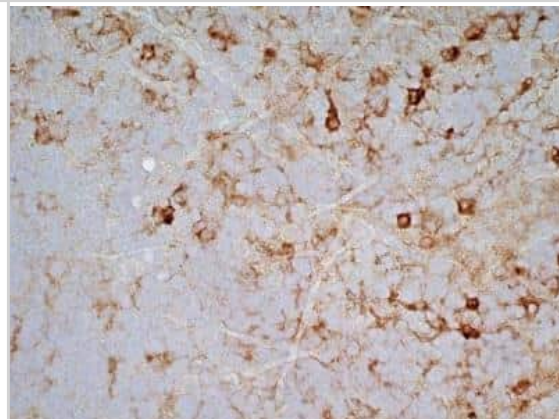
SIRP alpha/CD172a Antibody (OX-41) - BSA Free

Product Information	
Unit Size	250 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OX-41
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	140885
Gene Symbol	SIRPA
Species	Rat
Reactivity Notes	Reacts with Rat. Use in Mouse reported in scientific literature (PMID:34413330)
Specificity/Sensitivity	NB100-65530 recognizes rat CD172a, also known as Signal regulatory protein (SIRP). CD172a is expressed selectively by myeloid cells and by neurons. MRC OX-41 binds to a different epitope on SIRP than ED9. It does not block the interaction of CD172a - CD47.
Immunogen	Rat peritoneal macrophages
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:50, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This product requires protein digestion pretreatment of paraffin sections e.g. trypsin or pronase. Use in ICC/IF reported in scientific literature (PMID:34413330).



Images

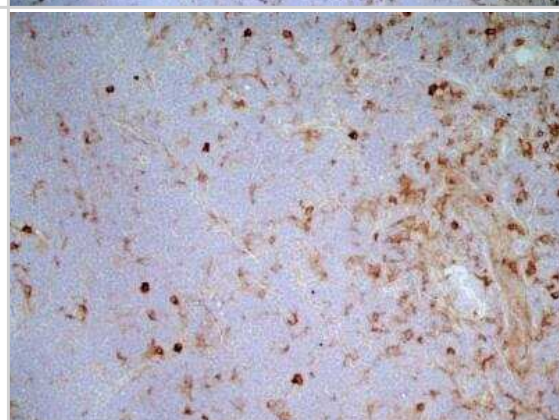
Immunohistochemistry: SIRP alpha/CD172a Antibody (OX-41) [NB100-65530] - Immunoperoxidase staining of rat lymph node cryosection with Mouse anti Rat CD172a antibody followed by horseradish peroxidase conjugated Goat anti Mouse IgG2a as a detection reagent. High power



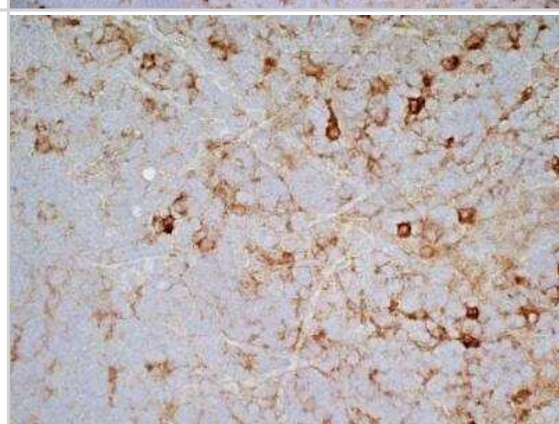
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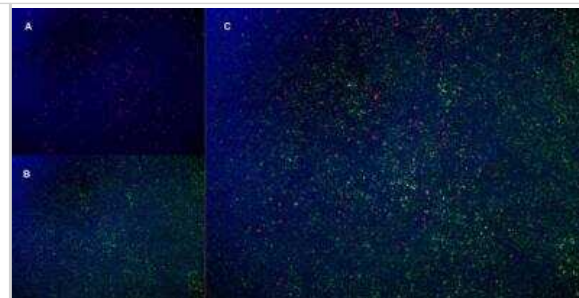
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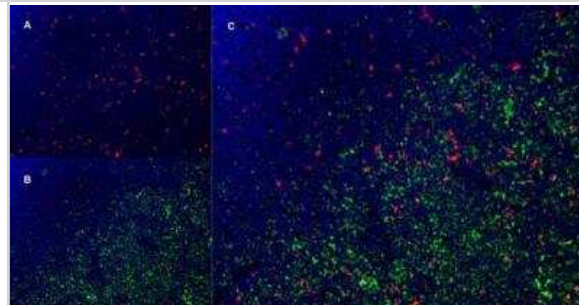
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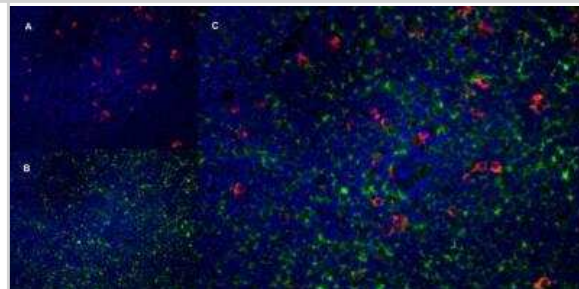
Immunofluorescence: SIRP alpha/CD172a Antibody (OX-41) [NB100-65530] - Staining of rat lymph node cryosection with Mouse anti Rat CD172a antibody, red in A and Mouse anti Rat CD4, green in B. C is the Merged image with nuclei counter-stained blue using DAPI. Low power



Immunofluorescence: SIRP alpha/CD172a Antibody (OX-41) [NB100-65530] - Staining of rat lymph node cryosection with Mouse anti Rat CD172a antibody, red in A and Mouse anti Rat CD4, green in B. C is the Merged image with nuclei counter-stained blue using DAPI. Medium power



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Publications

Li Y, Glotfelty EJ, Karlsson T Et al. The metabolite GLP-1 (9-36) is neuroprotective and anti-inflammatory in cellular models of neurodegeneration *Journal of neurochemistry* 2021-09-27 [PMID: 34569615]

Callizot N, Estrella C, Burlet S Et al. AZP2006, a new promising treatment for Alzheimer's and related diseases *Scientific reports* 2021-08-19 [PMID: 34413330] (ICC/IF, Mouse)

Khaldoyanidi S, Schnabel D, Fohr N, Zoller M. Functional activity of CD44 isoforms in haemopoiesis of the rat. *Br J Haematol.* [PMID: 9012685] (FLOW, Rat)

Crook K, Hunt SV. Enrichment of early fetal-liver hemopoietic stem cells of the rat using monoclonal antibodies against the transferrin receptor, Thy-1, and MRC-OX82. *Dev Immunol.* [PMID: 8924759] (FLOW, Rat)

Lazo PA, Klein-Szanto AJ, Tschlis PN. T-cell lymphoma lines derived from rat thymomas induced by Moloney murine leukemia virus: phenotypic diversity and its implications. *J Virol.* [PMID: 2196385] (FLOW, Rat)



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Products Related to NB100-65530-250ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NB100-65530APC	SIRP alpha/CD172a Antibody (OX-41) [Allophycocyanin]

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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