

Product Datasheet

EMMPRIN/CD147 Antibody (OX-47) - BSA Free NB100-64848

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-64848

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-64848



NB100-64848

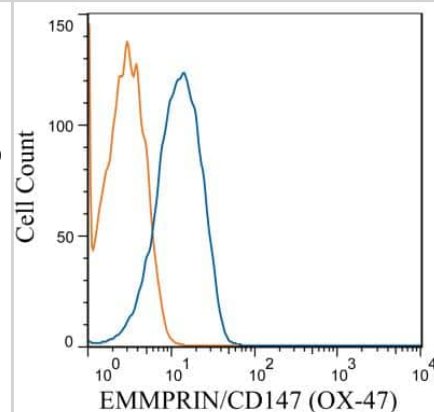
EMMPRIN/CD147 Antibody (OX-47) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OX-47
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse EMMPRIN/CD147 Antibody (OX-47) - BSA Free (NB100-64848) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-EMMPRIN/CD147 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	682
Gene Symbol	BSG
Species	Rat
Specificity/Sensitivity	NB100-64848 recognizes a membrane glycoprotein of MW 42-48 kD expressed at high levels on activated lymphocytes but lower levels on resting cells. The antigen is also present on some endothelia. The antigen contains two Ig-like domains and an unusual transmembrane domain with a charged residue. It is abundant on activated lymphocytes: it is the homologue of the chicken blood brain barrier antigen HT7.
Immunogen	T blasts from a mixed lymphocyte reaction.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 1 ug/mL, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:100 - 1:500, Immunohistochemistry-Frozen 1:100 - 1:500, CyTOF-ready

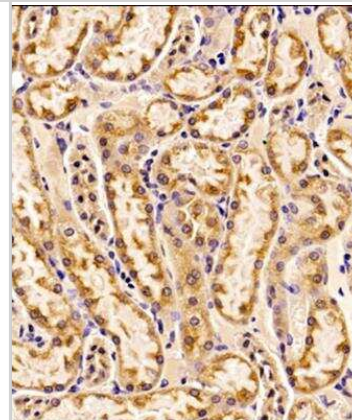


Images

Flow Cytometry: EMMPRIN/CD147 Antibody (OX-47) [NB100-64848] - Rat Splenocytes were stained with EMMPRIN/CD147 (OX-47) antibody NB100-64848 (blue) and a matched isotype control NBP2-27287 (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. The antibodies were directly conjugated to Alexa Fluor 488.



Immunohistochemistry-Paraffin: EMMPRIN/CD147 Antibody (OX-47) [NB100-64848] - Analysis of FFPE tissue section of rat kidney using 1:100 dilution of CD147 antibody (clone OX-47). The staining was detected using HRP-labelled secondary antibody and DAB reagent which followed counterstaining of sections with hematoxylin. This antibody generated primarily a membrane staining with some cytoplasmic signal in the cuboidal epithelial cells of various tubules.



Publications

Jin R, Xiao AY, Liu S et al. Taurine Reduces tPA (Tissue-Type Plasminogen Activator)-Induced Hemorrhage and Microvascular Thrombosis After Embolic Stroke in Rat Stroke 2018-07-01 [PMID: 29844028] (WB, 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)

Foda, H et al. Ventilator-induced lung injury upregulates activates gelatinases EMMPRIN. *Am. J. Respir. Cell. Mol. Biol.* 25: 717 - 724. 2001-01-01 [PMID: 11726397]

Cassella, JP et al. Ontogeny of four blood-brain barrier markers: an immunocytochemical comparison of pial cerebral cortical microvessels. *J. Anat.* 189: 407-15. 1996-01-01 [PMID: 8886962]

Paterson, DJ, Jefferies WA, Green, JR et al. Antigens of Activated rat T Lymphocytes including a molecule of 50,000 Mr detected only by CD4 positive T blasts. *Mol. Immunol.* 24: 1281. 1987-01-01 [PMID: 2828930]

Fossum S, Mallett S amp Barclay AN. The MRC OX-47 antigen is a member of the immunoglobulin superfamily with an unusual transmembrane sequencequot;. *Eur. J. Immunol.* 21: 671. 1991-01-01 [PMID: 2009910]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-64848

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)

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-64848

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

