

Product Datasheet

EMMPRIN/CD147 Antibody (OX-47) NB100-64848SS

Unit Size: 0.025 ml

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

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NB100-64848SS

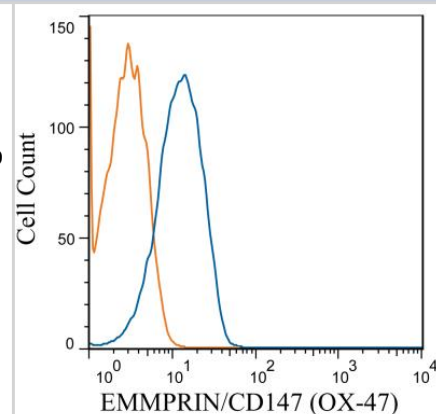
EMMPRIN/CD147 Antibody (OX-47)

Product Information	
Unit Size	0.025 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	
Host	Mouse
Gene ID	682
Gene Symbol	BSG
Species	Rat
Reactivity Notes	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, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, 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

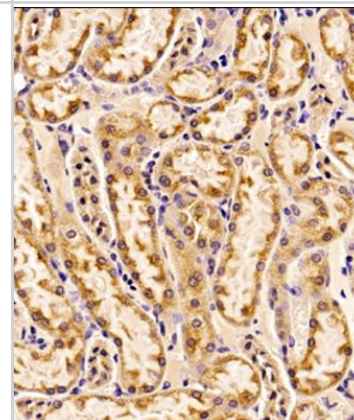


Images

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] - IHC analysis of a formalin fixed paraffin embedded (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

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 [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 [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 [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 [PMID: 2009910]



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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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