

Product Datasheet

EMMPRIN/CD147 Antibody (MEM-M6/1) - BSA Free NB500-430

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB500-430

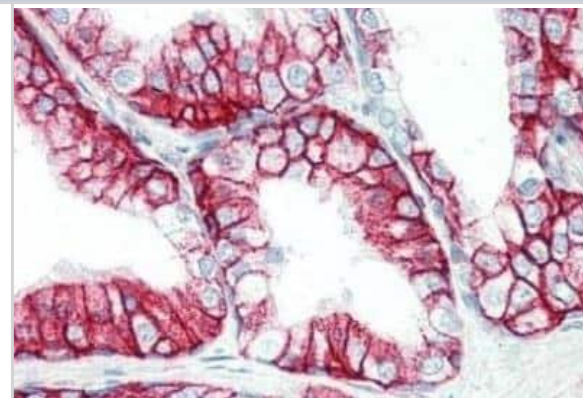
EMMPRIN/CD147 Antibody (MEM-M6/1) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-M6/1
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	60 kDa
Product Description	
Host	Mouse
Gene ID	682
Gene Symbol	BSG
Species	Human, Equine
Reactivity Notes	Equine reactivity reported in scientific literature (PMID: 24998980).
Specificity/Sensitivity	The antibody MEM-M6/1 recognizes an epitope in the N-terminal Ig domain (D1) of CD147 (Neurothelin), a 50-60 kDa type I transmembrane glycoprotein primarily expressed on all leukocytes, red blood cells, platelets and endothelial cells; it is not expressed by resting lymphocytes. The antibody MEM-M6/1 is a high-affinity antibody capable of binding to unstimulated peripheral blood T cells.
Immunogen	Protein A-CR purified soluble recombinant form of CD147, CD147Rg, which consists of the cDNA coding for the hinge region, C2-and C3 domain of human IgG1, CD147Rg is secreted by transfectants as a dimer (NM_001728.2).
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/ml, Flow Cytometry 10 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 10 ug/ml, CyTOF-ready
Application Notes	Western Blot - Non-reducing conditions. Use in ELISA reported in scientific literature (PMID 24710016). This antibody is CyTOF ready.

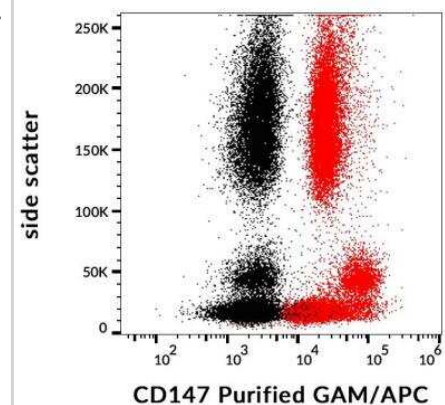


Images

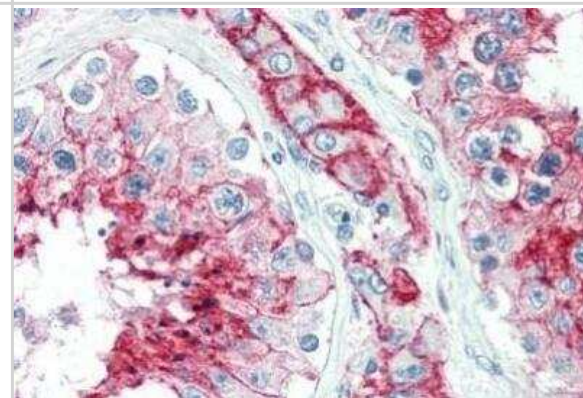
Immunohistochemistry-Paraffin: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Staining of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.



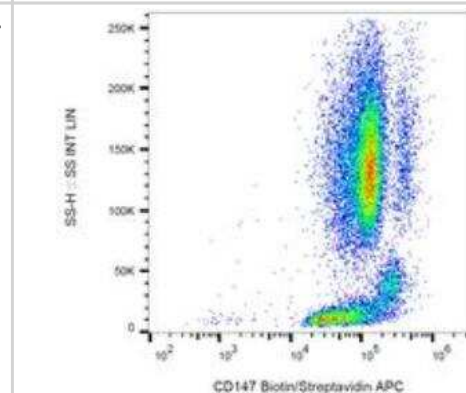
Flow Cytometry: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Surface staining of human peripheral blood with anti-human CD147 (MEM-M6/1) purified, GAM-APC.



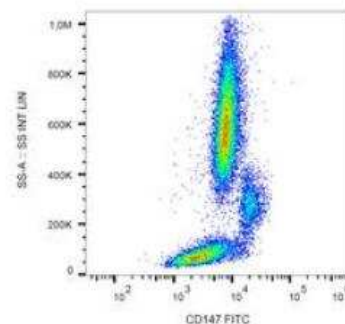
Immunohistochemistry-Paraffin: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.



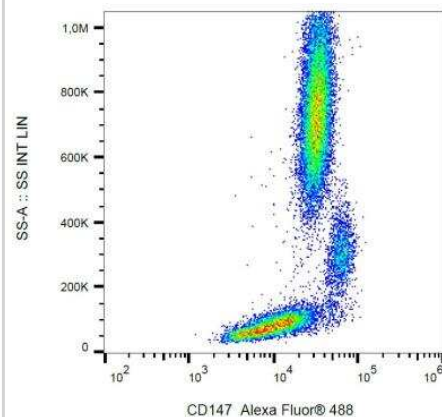
Flow Cytometry: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Surface staining of human peripheral blood with anti-human CD147 (MEM-M6/1) biotin.



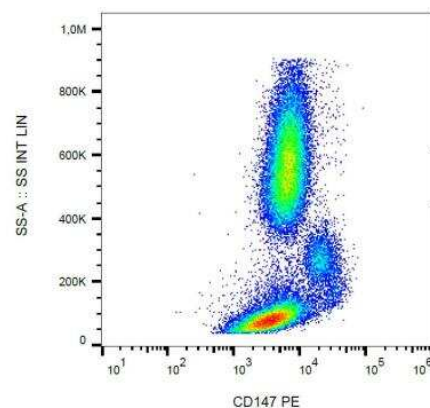
Flow Cytometry: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Surface staining of human peripheral blood with anti-human CD147 (MEM-M6/1) FITC.



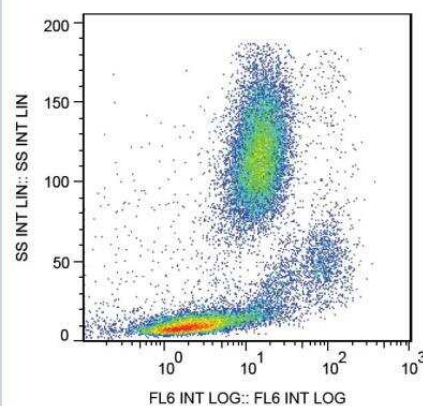
Flow Cytometry: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Staining of human peripheral blood with anti-human CD147 (MEM-M6/1) Alexa Fluor® 488.



Flow Cytometry: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Staining of human peripheral blood with anti-human CD147 (MEM-M6/1) PE.



Flow Cytometry: EMMPRIN/CD147 Antibody (MEM-M6/1) [NB500-430] - Staining of human peripheral blood with anti-human CD147 (MEM-M6/1) APC.



Publications

Joeh E, O'Leary T, Li W et al. Mapping glycan-mediated galectin-3 interactions by live cell proximity labeling Proc Natl Acad Sci U S A 2020-10-17 [PMID: 33067390]

Bortolotti D, Simioni C, Neri LM Et al. Relevance of VEGF and CD147 in different SARS-CoV-2 positive digestive tracts characterized by thrombotic damage FASEB journal : official publication of the Federation of American Societies for Experimental Biology 2021-12-01 [PMID: 34822202] (IF/IHC, Human)

Uhl PB, Szober CM, Amann B et al. In situ cell surface proteomics reveals differentially expressed membrane proteins in retinal pigment epithelial cells during autoimmune uveitis. J Proteomics 2014-07-02 [PMID: 24998980] (IHC-P, FLOW, Equine)

Details:

Basigin/CD147 antibody used at 1:10 dilution for FLOW application on healthy and uveitic equine RPE cells - harvested with Trypsin/EDTA (see full text for protocol details; data shown in Fig 1). Antibody also used for IHC-P on Bouin's solution fixed posterior eye cups-paraffin sections, EDTA-NaOH heat antigen retrieval, blocked with 1% BSA-TBST + 5% serum from host of secondary, primary used at 1:50 dilution ON 4C incubation, secondary used was anti-mouse IgG Alexa Fluor 647 (Fig 3, Fig 5).

Yoshioka Y, Kosaka N, Konishi Y et al. Ultra-sensitive liquid biopsy of circulating extracellular vesicles using ExoScreen. Nat Commun 2014-04-08 [PMID: 24710016] (ELISA, WB, Human)





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Products Related to NB500-430

NBL1-08036	EMMPRIN/CD147 Overexpression Lysate
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)

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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