Product Datasheet

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

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

Publications: 2

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Updated 9/24/2018 v.20.1

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**Product Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>Concentration</td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at 4°C. Do not freeze.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Clone</td>
<td>MEM-M6/1</td>
</tr>
<tr>
<td>Preservative</td>
<td>15mM Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG1</td>
</tr>
<tr>
<td>Purity</td>
<td>Protein A purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>PBS (pH 7.4)</td>
</tr>
<tr>
<td>Target Molecular Weight</td>
<td>60 kDa</td>
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</tbody>
</table>

**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


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


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) PE.

Publications


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).

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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Products Related to NB500-430

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<tr>
<th>Product</th>
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<tr>
<td>NBP2-65677</td>
<td>EMMPRIN/CD147 Knockout 293T Cell Lysate</td>
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<tr>
<td>HAF007</td>
<td>Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
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<tr>
<td>NB720-B</td>
<td>Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]</td>
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<tr>
<td>NBP1-97005</td>
<td>Mouse IgG1 Isotype Control (MG1)</td>
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