

Anti-Hu CD147 Purified BSG Monoclonal Antibody

Catalog Number: M00248

About BSG

CD147 (basigin, neurothelin, OX-47, 5A11, CE9, M6) also known as EMMPRIN (extracellular matrix metalloproteinase inducer) or TCSF (tumour cell-derived collagenase-stimulatory factor) is an ubiquitously expressed cell surface protein with multiple glycosylated forms. The highest level of CD147 expression is on metabolically active cells, such as lymphoblasts, inflammatory cells, brown adipocytes and malignant tumour cells. CD147 has multiple functions, including facilitating of cell surface expression of monocarboxylate transporter proteins and extracellular matrix metalloproteinases, regulation of integrin functions, it plays roles in cell development and activation, fetal development or retinal function.

Overview

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| Product Name | Anti-Hu CD147 Purified BSG Monoclonal Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-Hu CD147 Purified BSG Monoclonal Antibody (Catalog# M00248). Tested in Flow Cytometry, IP, WB, IHC-P application(s). This antibody reacts with Human. |
| Application | Flow Cytometry, IP, IHC-P, WB |
| Clonality | Monoclonal MEM-M6/1 |
| Formulation | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage Instructions | Store at 2-8°C. Do not freeze. |
| Host | Mouse |
| Uniprot ID | P35613 |

Technical Details

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| Immunogen | Protein A-CR purified soluble recombinant form of CD147, CD147Rg, which consists of the cDNA coding for the hinge region, CH2-and CH3 domain of human IgG1 (CD147Rg is secreted by transfectants as a dimer). The antibody MEM-M6/1 recognizes an extracellular 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. |
| Predicted Reactive Species | Primate |
| Isotype | Mouse IgG1 |
| Form | Liquid |
| Concentration | 1 mg/ml |

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|---------------------|---|
| Purification | Purified by protein-A affinity chromatography. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (paraffin sections): 10 ug/ml; positive tissue: testis.</p> <p>Flow cytometry: 10 ug/ml.</p> <p>Western blotting: 1 ug/ml, non-reducing conditions.</p> |

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