

## Mouse CD147 Monoclonal Antibody | anti-CD147 antibody

MOUSE ANTI HUMAN CD147

|                              |                      |                                                                                            |
|------------------------------|----------------------|--------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA49306</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|--------------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

CD147; Monoclonal Antibody; MOUSE ANTI HUMAN CD147; anti-CD147 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                         | IgG1                                                                                                                                                                                                                                                                                                                                                           |
| Clone Number                                    | MEM-M6/1                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format                                     | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                                              |
| Concentration                                   | IgG concentration 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                                 | 385                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-CD147 antibody | WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                         |
| Perservative Stabilisers                        | 0.09% Sodium Azide<br>Preparation                                                                                                                                                                                                                                                                                                                              |
| Buffer Solution                                 | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                      |
| Target Species                                  | Human                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                         | Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |

### IMAGES



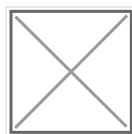
#### Application Data

Western blot analysis of HepG2 human hepatocellular carcinoma whole cell lysate probed with Mouse anti Human CD147 antibody followed by HRP conjugated Goat anti Mouse IgG, visualized by chemiluminescence



#### Application Data

Staining of human erythrocytes with Mouse anti Human CD147



#### Application Data

Staining of human erythrocytes with Mouse anti Human CD147:APC

ADDITIONAL INFORMATION

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| Related Product Information for anti-CD147 antibody | Mouse anti Human CD147 antibody, clone MEM-M6/1 recognizes the human CD147 cell surface antigen, also known as Basigin, EMMPRIN and collagenase stimulatory factor. CD147 is a 385 amino acid single pass type 1 trans-membrane glycoprotein bearing 3 potential N-glycosylation sites, a single N-terminal (distal) Ig-like C2-type domain amd a more proximal Ig-like V-type domain in its extracellular region. Mouse anti Human CD147 antibody, clone MEM-M6/1 was raised and screened against recombinant extracellular region of huCD147 expressed in CHO cells, along with a number of other MEM-M6 clones. Epitope mapping indicates that clone MEM-M6/1 binds to an epitope within the distal Ig-like C-2 type domain. This is confirmed by flow cytometric studies using beads coated with constructs containing only the distal Ig-like or proximal Ig-like domains (Koch et al. 1999). Mouse anti Human CD147 antibody, clone MEM-M6/1 binds to both un-stimulated and phytohemagglutinin (PHA) stimulated (activated) T lymphocytes with levels of CD147 enhanced following PHA stimulation. CD147 is also expressed by peripheral blood and endothelial cells as well as many cultured cells of hematopoietic and non-hematopoietic origin (Koch et al. 1999). In addition to clone MEM-M6/1 AAA Biotech is also able to offer the MEM-M6/6 clone derived from the same fusion which recognizes an epitope in the membrane proximal Ig-like V type domain and has inhibitory effects on CD3 induced T cell activation. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 38372919                                                                                                                                                                                                           |
| NCBI GeneID                      | 682                                                                                                                                                                                                                |
| NCBI Accession #                 | NP_001719.2                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_001728.3                                                                                                                                                                                                        |
| UniProt Accession #              | P35613; Q7Z796; Q8IZL7; A6N JW1; D3YLG5                                                                                                                                                                            |
| Molecular Weight                 | 22,764 Da                                                                                                                                                                                                          |
| NCBI Official Full Name          | basigin isoform 1                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | basigin (Ok blood group)                                                                                                                                                                                           |
| NCBI Official Symbol             | BSG                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | M6; OK; 5F7; TCSF; CD147; EMMPRIN                                                                                                                                                                                  |
| NCBI Protein Information         | basigin; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; extracellular matrix metalloproteinase inducer; leukocyte activation antigen M6; tumor cell-derived collagenase stimulatory factor |
| UniProt Protein Name             | Basigin                                                                                                                                                                                                            |
| UniProt Gene Name                | BSG                                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | EMMPRIN; TCSF                                                                                                                                                                                                      |
| UniProt Entry Name               | BASI_HUMAN                                                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd147-antibody-clone-mem-m6-1-western-blot-immunoprecipitation-flow-cytometry-elisa/49306>