Mouse anti-Human CD147 / EMMPRIN / Neurothelin Monoclonal Antibody | anti-BSG antibody

CD147 / EMMPRIN / Neurothelin Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62800	**Mouse**	**Human**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD147 / EMMPRIN / Neurothelin; Monoclonal Antibody; CD147 / EMMPRIN / Neurothelin Mouse Monoclonal Antibody; 5A11 Antigen; 5F7; Basigin; Blood brain barrier HT7 antigen BSG; Extracellular Matrix Metalloproteinase Inducer (EMMPRIN); Leukocyte Activation Antigen M6; Neurothelin; OK Blood Group Antigen; TCSF; Tumor Cell-derived Collagenase Stimulatory Factor; anti-BSG antibody

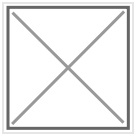
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BSG/963
Specificity	This MAb recognizes extracellular epitope of human CD147. It is expressed more intensely on thymocytes than on mature peripheral blood T cells. CD147 is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. It stimulates the production of interstitial collagenase, gelatinase A, stromelysin-1 and various metalloproteinases (MMPs) by fibroblasts. These enzymes are important factors in cancer invasion and metastasis.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	269
Applicable Applications for anti-BSG antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface
Immunogen	Recombinant human BSG protein
Hu-Chromosome Location	19p13.3
Positive Control	HSB2 cells. Renal Cell, Colon or Testicular carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemisry)
Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with CD147 Monoclonal Antibody (BSG/963).

IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD147 Monoclonal Antibody (BSG/963).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CD147 Monoclonal Antibody (BSG/963).

ADDITIONAL INFORMATION

References	Kirsch AH et. al. Tissue Antigens. 1997;50(2):147-52

NCBI AND UNIPROT INFORMATION

NCBI GI #	1016080631
NCBI GeneID	682
NCBI Accession #	NP_001309172.1
NCBI GenBank Nucleotide #	NM_001322243.1
UniProt Accession #	P35613; Q7Z796; Q8IZL7; A6NJW1; D3YLG5
Molecular Weight	35kDa (non-reduced); 40kDa (reduced)
NCBI Official Full Name	basigin isoform 2
NCBI Official Synonym Full Names	basigin (Ok blood group)
NCBI Official Symbol	BSG
NCBI Official Synonym Symbols	OK; 5F7; TCSF; CD147; EMMPRIN
NCBI Protein Information	basigin
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-emmprin-neurothelin-antibody-clone-bsg-963-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62800