

Mouse Basigin / Emmprin / CD147 Monoclonal Antibody | anti-BSG antibody

Anti-Basigin / Emmprin / CD147 Antibody (clone 10E10) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12375	Mouse	Dog, Rat, Human, Monkey	Immunohistochemistry, Immunofluorescence, Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Basigin / Emmprin / CD147; Monoclonal Antibody; Anti-Basigin / Emmprin / CD147 Antibody (clone 10E10) IHC-plus; Mouse Monoclonal [clone 10E10] (IgG2b) to Human Basigin / Emmprin / CD147; Human Basigin / Emmprin / CD147; 5F7; Basigin; Basigin (Ok blood group); CD147 antigen; Collagenase stimulatory factor; EMMPRIN; OK; OK blood group antigen; TCSF; CD147; M6; anti-BSG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Dog, Rat, Human, Monkey
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	10E10
Specificity	Human Emmprin / CD147
Purity/Purification	Protein A/G purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	0.72 mg/ml (varies by lot)
Sequence Length	385
Applicable Applications for anti-BSG antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry (1:100) IF (1:100) IHC-P (10 ug/ml) WB (1:500 - 1:2000)
Immunogen	Basigin / Emmprin / CD147 antibody was raised against full length human recombinant protein of human BSG (NP_001719) produced in HEK293T cell.
Immunogen Description	Full length human recombinant protein of human BSG (NP_001719) produced in HEK293T cell.
Immunogen Type	Recombinant protein
Target Species	Human
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



FCM (Flow Cytometry)
Flow cytometry of Jurkat cells, using anti-BSG antibody, (Red), compared to a nonspecific negative control antibody, (Blue).



FCM (Flow Cytometry)
Flow cytometry of HeLa cells, using anti-BSG antibody, (Red), compared to a nonspecific negative control antibody, (Blue).



WB (Western Blot)
Western blot of extracts (35 ug) from 9 different cell lines by using anti-BSG monoclonal antibody.



WB (Western Blot)
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BSG (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BSG.



IF (Immunofluorescence)
Immunofluorescent staining of HeLa cells using anti-BSG mouse monoclonal antibody.



IHC (Immunohistochemistry-Paraffin)
Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-BSG antibody	BSG Antibody, 5F7 Antibody, Basigin Antibody, Basigin (Ok blood group) Antibody, CD147 antigen Antibody, Collagenase stimulatory factor Antibody, EMMPRIN Antibody, OK Antibody, OK blood group antigen Antibody, TCSF Antibody, CD147 Antibody, M6 Antibody Description: Plays an important role in targeting the monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to the plasma membrane. Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS). Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes.
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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; A6NJW1; 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
UniProt Protein Name	Basigin
UniProt Gene Name	BSG
UniProt Synonym Gene Names	EMMPRIN; TCSF

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/basigin-emmprin-cd147-antibody-clone-10e10-immunohistochemistry-immunofluorescence-western-blot-flow-cytometry-elisa/12375>