

BSG monoclonal antibody, clone 2G2

Catalog # MAB1722

Size 50 ug

Specification

Product Description	Mouse monoclonal antibody raised against native BSG.
Immunogen	Native purified from human cancer cel line.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against BSG.
Recommend Usage	Flow Cyt (0.5-1 ug/mL) Immunoprecipitation (5-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% proclin, 2.0% Block Ace)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation
- Flow Cytometry

Gene Info — BSG

Entrez GeneID [682](#)

Gene Name	BSG
Gene Alias	5F7, CD147, EMMPRIN, M6, OK, TCSF
Gene Description	basigin (Ok blood group)
Omim ID	109480 111380
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	CD147 antigen M6 leukocyte activation antigen OK blood group antigen basigin collagenase stimulatory factor extracellular matrix metalloproteinase inducer

Publication Reference

- [Tumor vesicle-associated CD147 modulates the angiogenic capability of endothelial cells.](#)

Millimaggi D, Mari M, D'Ascenzo S, Carosa E, Jannini EA, Zucker S, Carta G, Pavan A, Dolo V.
Neoplasia 2007 Apr; 9(4):349.

Application: Flow Cyt, WB-Ce, Human, A2780, CABAI, HUVECs, OVCAR3, SKOV3 cells
- [Roles of CD147 on T lymphocytes activation and MMP-9 secretion in systemic lupus erythematosus.](#)

Pistol G, Matache C, Calugaru A, Stavaru C, Tanaseanu S, Ionescu R, Dumitrache S, Stefanescu M.
Journal of Cellular and Molecular Medicine 2007 Mar; 11(2):339.

Application: WB, Human, PBMCs
- [A small interfering CD147-targeting RNA inhibited the proliferation, invasiveness, and metastatic activity of malignant melanoma.](#)

Chen X, Lin J, Kanekura T, Su J, Lin W, Xie H, Wu Y, Li J, Chen M, Chang J.
Cancer Research 2006 Dec; 66(23):11323.

Application: WB-Tr, Human, A-375 cells
- [Membrane type 1 matrix metalloproteinase \(MT1-MMP/MMP-14\) cleaves and releases a 22-kDa extracellular matrix metalloproteinase inducer \(EMMPRIN\) fragment from tumor cells.](#)

Egawa N, Koshikawa N, Tomari T, Nabeshima K, Isobe T, Seiki M.
The Journal of Biological Chemistry 2006 Dec; 281(49):37576.

Application: Flow Cyt, IHC, WB, Human, A431, HT1080, TMK-1 cells, ovarian carcinoma tissues

- [Regulation of vascular endothelial growth factor expression by EMMPRIN via the PI3K-Akt signaling pathway.](#)

Tang Y, Nakada MT, Rafferty P, Laraio J, McCabe FL, Millar H, Cunningham M, Snyder LA, Bugelski P, Yan L.

Molecular Cancer Research 2006 Jun; 4(6):371.

Application: Func, Human, Human lung fibroblasts

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)