

Product datasheet for **TA389093**

BSG Mouse Antibody [Clone ID: M052]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M052
Applications:	WB
Recommended Dilution:	WB: 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M052) was generated from a proprietary antigen related to the native human CD147 expressed in NCI-H1915 lung cancer cell line.
Specificity:	Clone M052 mouse monoclonal antibody detects a 38-58 kDa* protein on SDS-PAGE immunoblots of human SK-MES1, MDA-MB-231, MeWo, A431, LNCaP, and NCI-H1915 cells, as well as human brain tissues. The antibody works for western blot and ELISA detection of CD147.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	38-58
Database Link:	P35613



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Background:

D147 (Basigin/EMMPRIN) is a type I integral membrane receptor protein belonging to the immunoglobulin superfamily. CD147 is a glycosylated protein with four known isoforms with isoform 2 being the most abundantly expressed. In many cancers, CD147 is overexpressed and stimulates the secretion of extracellular matrix metalloproteinases by tumor fibroblasts, which can promote tumor progression. CD147 is co-expressed with the amino acid transporter, CD98h, in metabolically active cells such as lymphocytes, macrophages, and tumor cells. CD147 interaction with caveolin and cyclophilins regulates its functions, and this protein may function outside of tumor cells through cell shedding and microvesicle release.

Note:

Protein G purified tissue culture supernatant.