CD147 / BSG / EMMPRIN / Neurothelin Antibody

Mouse Monoclonal Antibody [Clone BSG/7954]

Catalog No	Format	Size
682-MSM14-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
682-MSM14-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
682-MSM14-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

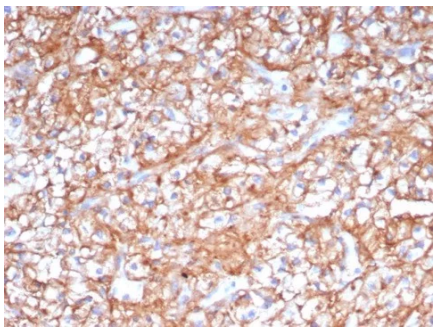
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

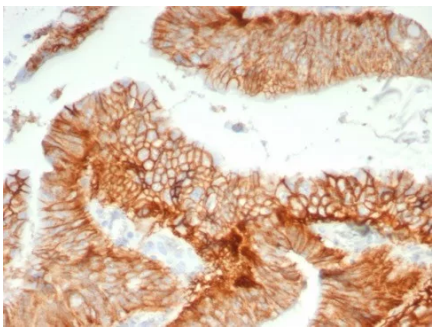
Clone	BSG/7954
Gene Name	BSG
Immunogen	Recombinant full-length human BSG protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	35kDa (non-reduced); 40kDa (reduced)
Cellular Localization	Cell surface
Species Reactivity	Hamster, Human, Mouse, Rat
Positive Control	Human renal cell carcinoma, ovarian carcinoma or melanoma. HeLa, HepG2, MCF7, Human Brain, Human Heart, Liver

**Optimal dilution for a specific application should be determined.*

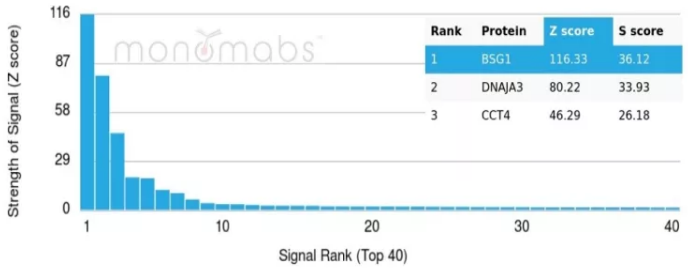
Product Images for CD147 / BSG / EMMPRIN / Neurothelin Antibody



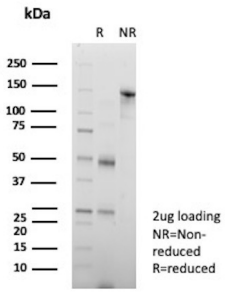
Formalin-fixed, paraffin-embedded human renal cell carcinoma stained with CD147 Mouse Monoclonal Antibody (BSG/7954). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



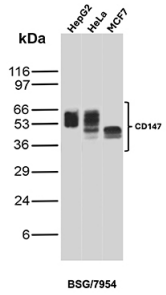
Formalin-fixed, paraffin-embedded human colon stained with CD147 Mouse Monoclonal Antibody (BSG/7954). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



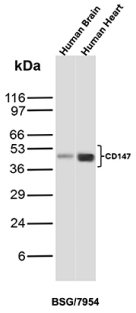
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CD147 Mouse Monoclonal Antibody (BSG/7954). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



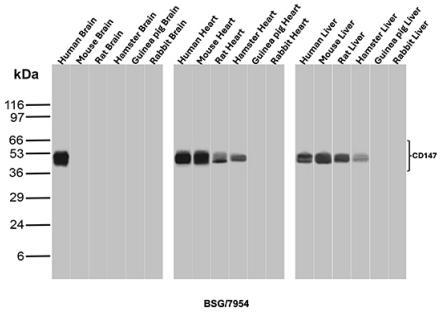
SDS-PAGE Analysis of Purified CD147 Mouse Monoclonal Antibody(BSG/7954). Confirmation of Purity and Integrity of Antibody



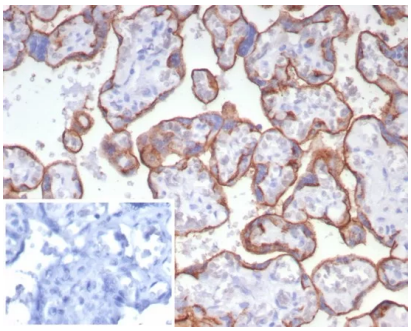
Western Blot Analysis of HepG2, HeLa and MCF7 cell lysates using CD147 Mouse Monoclonal Antibody (BSG/7954).



Western Blot Analysis of Human Brain and Human Heart tissue lysates using CD147 Mouse Monoclonal Antibody (BSG/7954).



Western blot analysis of Human Brain, Mouse Brain, Rat Brain, Hamster Brain, Guinea pig Brain, Rabbit Brain, Human Heart, Mouse Heart, Rat Heart, Hamster Heart, Guinea pig Heart, Rabbit Heart, Human Liver, Mouse Liver, Rat Liver, Hamster Liver, Guinea pig Liver, and Rabbit Liver tissue lysates using CD147 Mouse Monoclonal Antibody (BSG/7954).



Formalin-fixed, paraffin-embedded human placenta stained with CD147 Mouse Monoclonal Antibody (BSG/7954). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

This MAb recognizes extracellular epitope 2 within the N-terminal Ig domain 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.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.