

Product datasheet for **AM50208PU-S**

CD147 (BSG) Mouse Monoclonal Antibody [Clone ID: 8D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8D6
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Functional Studies: Inhibits Homotypic Aggregation, Adhesion to Matrix Proteins, and Migration through Matrigel (Use Antibody without BSA/Azide). Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 1-2 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein. Western Blotting: 0.5-1 µg/ml. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 1-2 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: HSB2 cells, Colon or breast carcinoma.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human T cell line Molt 13.
Specificity:	This Monoclonal Antibody recognizes extracellular epitope 2 within the N-terminal Ig domain of human CD147. It 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. Cellular Localization: Cell surface, cytoplasmic.



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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	35 kDa (non-reduced); 40 kDa (reduced)
Gene Name:	basigin (Ok blood group)
Database Link:	Entrez Gene 682 Human P35613
Synonyms:	Basigin, BSG, EMMPRIN, TCSF