

Product datasheet for **AM08322PU-N**

CD147 (BSG) Mouse Monoclonal Antibody [Clone ID: MEM-M6/2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-M6/2
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry. Immunohistochemistry on Paraffin Sections: 10 µg/ml.
Reactivity:	Human, Porcine
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	A soluble recombinant form of CD147, CD147Rg, which consists of the cDNA coding for the entire extracellular region of CD147 fused to the DNA coding for the hinge region, CH2 and CH3 domain of human IgG1
Specificity:	AM08322PU-N recognizes extracellular Ig domain D1 of CD147 (Neurothelin), a 50-60 kDa type I transmembrane glycoprotein primarily expressed on all leukocytes, red blood cells, platelets and endothelial cells; it is not expressed by resting lymphocytes. This antibody is a high-affinity antibody capable of binding to unstimulated peripheral blood T cells.
Formulation:	PBS, pH 7.4 containing 15 mM Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	basigin (Ok blood group)



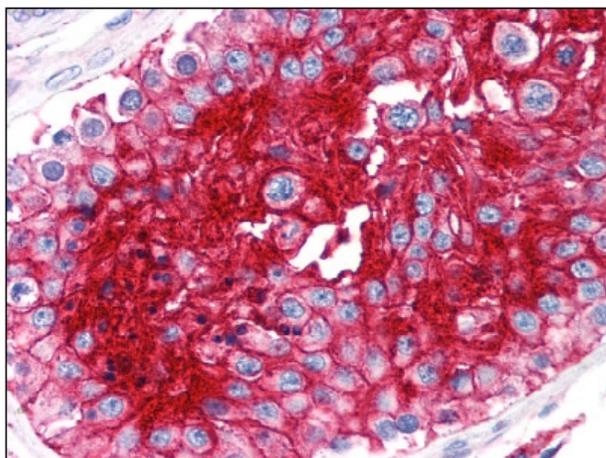
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Database Link: [Entrez Gene 682 Human P35613](#)

Background: CD147 plays a pivotal role in spermatogenesis, embryo implantation, neural network formation and tumor progression. It stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). CD147 may target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. CD147 also seems to be a receptor for oligomannosidic glycans. In vitro, it promotes outgrowth of astrocytic processes. CD147 forms homooligomers in a cis-dependent manner on the plasma membrane. It forms a complex with MMP1 at the tumor cell surface. CD147 interacts with SLC16A1 and SLC1A3; probably a BSG dimer is associated with a monocarboxylate transporter dimer. CD147 also interacts with ATP1B2, MAG and L1CAM.

Synonyms: Basigin, BSG, EMMPRIN, TCSF

Product images:



Testis: Formalin-Fixed Paraffin-Embedded (FFPE) using anti-CD147 antibody.